

L Number	Hits	Search Text	DB	Time stamp
1	981	(564/216,219,220,221).CCLS.	USPAT; US-PGPUB	2004/07/20 08:44
2	620	(514/629,630).CCLS.	USPAT; US-PGPUB	2004/07/20 08:45



\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 09:01:11 ON 20 JUL 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 09:01:21 ON 20 JUL 2004

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STRUCTURE FILE UPDATES: 19 JUL 2004 HIGHEST RN 713066-32-1

DICTIONARY FILE UPDATES: 19 JUL 2004 HIGHEST RN 713066-32-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

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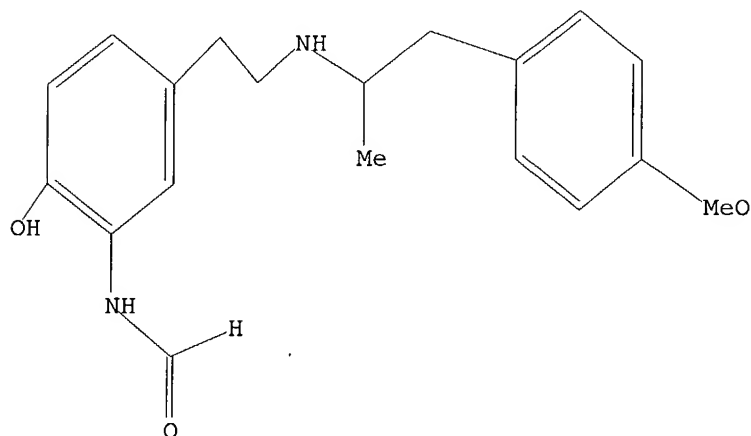
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L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.



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SAMPLE SEARCH INITIATED 09:01:48 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 18 TO ITERATE

100.0% PROCESSED 18 ITERATIONS 4 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 106 TO 614  
PROJECTED ANSWERS: 4 TO 200

L2 4 SEA SSS SAM L1

=> s l1 ful  
FULL SEARCH INITIATED 09:01:57 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 401 TO ITERATE

100.0% PROCESSED 401 ITERATIONS 82 ANSWERS  
SEARCH TIME: 00.00.01

L3 82 SEA SSS FUL L1

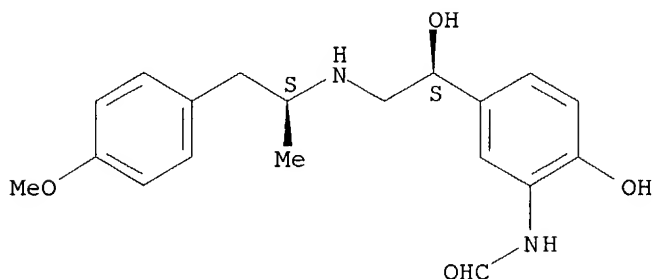
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RN 708272-55-3 REGISTRY  
CN 2-Naphthalenecarboxylic acid, 1-hydroxy-, compd. with rel-N-[2-hydroxy-5-  
[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-  
methylethyl]amino]ethyl]phenyl]formamide (1:1) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . C11 H8 O3  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA CAPLUS document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 73573-87-2  
CMF C19 H24 N2 O4

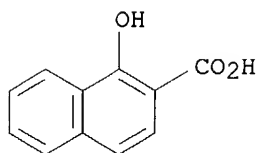
Relative stereochemistry.



CM 2

CRN 86-48-6  
CMF C11 H8 O3





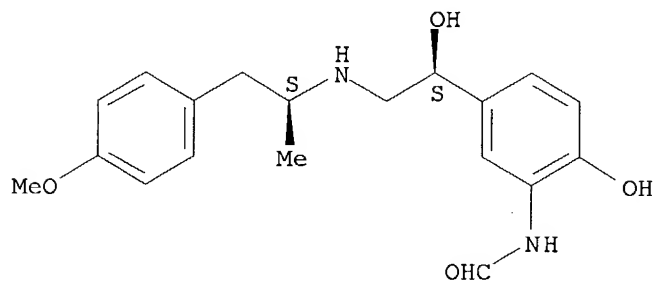
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 708272-54-2 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel-, monomethanesulfonate (salt) (9CI)  
(CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . C H4 O3 S  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA CAPLUS document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

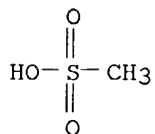
CRN 73573-87-2  
CMF C19 H24 N2 O4

Relative stereochemistry.



CM 2

CRN 75-75-2  
CMF C H4 O3 S



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 708272-53-1 REGISTRY

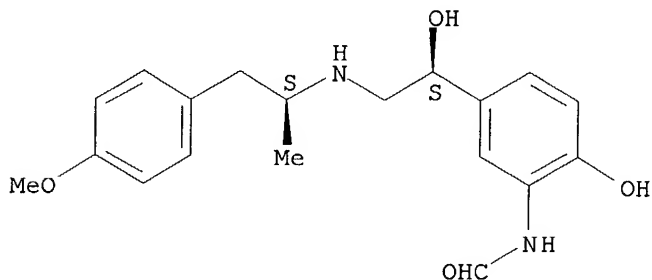


CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel-, mono(4-methylbenzenesulfonate)  
(salt) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . C7 H8 O3 S  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA Cplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

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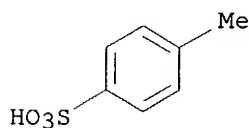
CRN 73573-87-2  
CMF C19 H24 N2 O4

Relative stereochemistry.



CM 2

CRN 104-15-4  
CMF C7 H8 O3 S



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

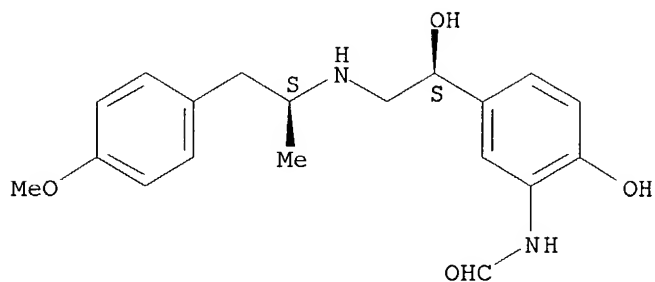
L3 ANSWER 4 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 708272-52-0 REGISTRY  
CN Octadecanoic acid, compd. with rel-N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (1:1) (9CI)  
(CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . C18 H36 O2  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA Cplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 73573-87-2  
CMF C19 H24 N2 O4



Relative stereochemistry.



CM 2

CRN 57-11-4  
CMF C18 H36 O2

HO<sub>2</sub>C-(CH<sub>2</sub>)<sub>16</sub>-Me

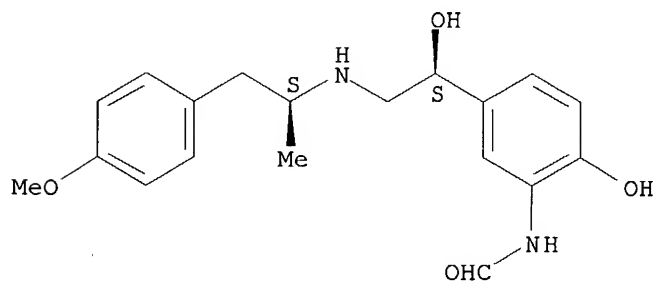
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 708272-51-9 REGISTRY  
CN 2-Naphthalenecarboxylic acid, 4,4'-methylenebis[3-hydroxy-, compd. with  
rel-N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-  
methylethyl]amino]ethyl]phenyl]formamide (1:2) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C23 H16 O6 . 2 C19 H24 N2 O4  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

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CRN 73573-87-2  
CMF C19 H24 N2 O4

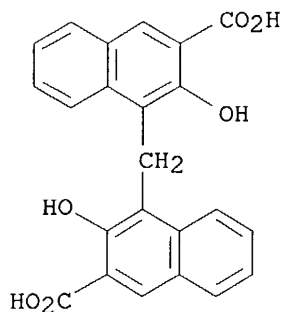
Relative stereochemistry.



CM 2



CRN 130-85-8  
CMF C23 H16 O6



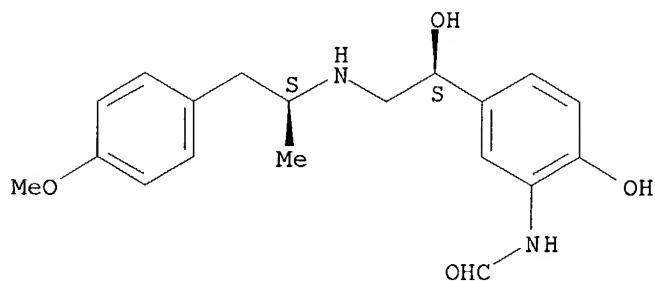
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 708272-50-8 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel-, (2R,3R)-2,3-dihydroxybutanedioate (2:1) (salt) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . 1/2 C4 H6 O6  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 73573-87-2  
CMF C19 H24 N2 O4

Relative stereochemistry.

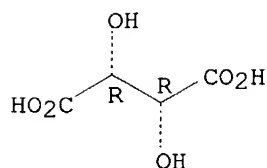


CM 2

CRN 87-69-4  
CMF C4 H6 O6

Absolute stereochemistry.





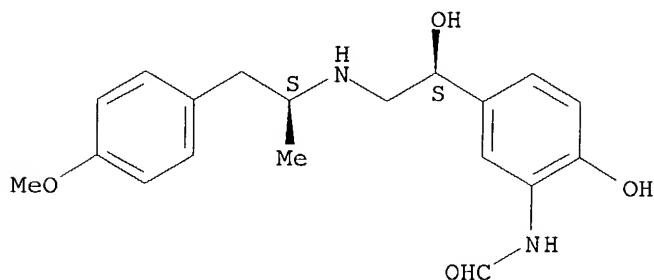
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 7 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 708272-49-5 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel-, ethanedioate (2:1) (salt) (9CI)  
(CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . 1/2 C2 H2 O4  
SR CA  
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DT.CA CAplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

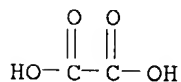
CRN 73573-87-2  
CMF C19 H24 N2 O4

Relative stereochemistry.



CM 2

CRN 144-62-7  
CMF C2 H2 O4



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 8 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 708272-47-3 REGISTRY  
CN Butanedioic acid, compd. with rel-N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (1:2) (9CI)  
(CA INDEX NAME)

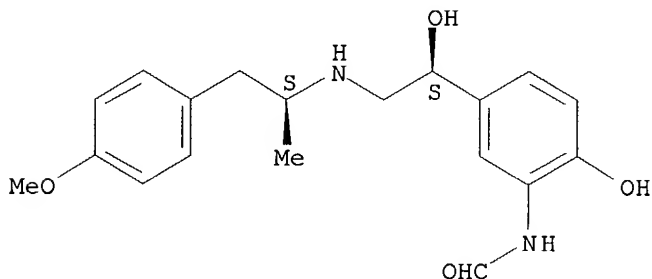


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MF C19 H24 N2 O4 . 1/2 C4 H6 O4  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 73573-87-2  
CMF C19 H24 N2 O4

Relative stereochemistry.



CM 2

CRN 110-15-6  
CMF C4 H6 O4

HO<sub>2</sub>C-CH<sub>2</sub>-CH<sub>2</sub>-CO<sub>2</sub>H

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

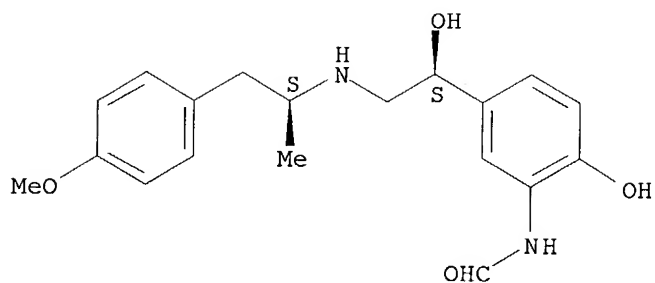
L3 ANSWER 9 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 708272-46-2 REGISTRY  
CN Butanedioic acid, hydroxy-, compd. with rel-N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[(1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (1:2) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . 1/2 C4 H6 O5  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 73573-87-2  
CMF C19 H24 N2 O4

Relative stereochemistry.

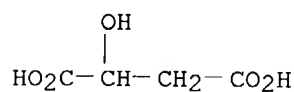




CM 2

CRN 6915-15-7

CMF C4 H6 O5



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 10 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 708272-45-1 REGISTRY

CN Dodecanoic acid, compd. with rel-N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (1:1) (9CI)  
(CA INDEX NAME)

FS STEREOSEARCH

MF C19 H24 N2 O4 . C12 H24 O2

SR CA

LC STN Files: CA, CAPLUS

DT.CA CAplus document type: Patent

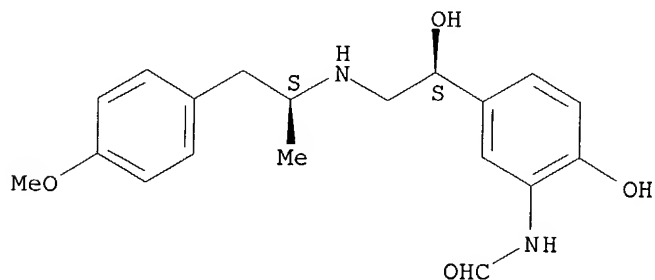
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 73573-87-2

CMF C19 H24 N2 O4

Relative stereochemistry.



CM 2

CRN 143-07-7



CMF C12 H24 O2

HO<sub>2</sub>C-(CH<sub>2</sub>)<sub>10</sub>-Me

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 11 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 708272-43-9 REGISTRY

CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[(1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel-, (2Z)-2-butenedioate (2:1) (salt) (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C19 H24 N2 O4 . 1/2 C4 H4 O4

SR CA

LC STN Files: CA, CAPLUS

DT.CA CAplus document type: Patent

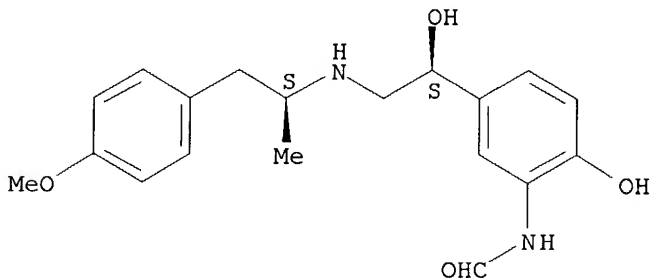
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CMF C19 H24 N2 O4

Relative stereochemistry.

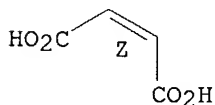


CM 2

CRN 110-16-7

CMF C4 H4 O4

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 12 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 708272-42-8 REGISTRY

CN Benzoic acid, 2-hydroxy-5-sulfo-, compd. with rel-N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[(1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (1:2) (9CI) (CA INDEX NAME)

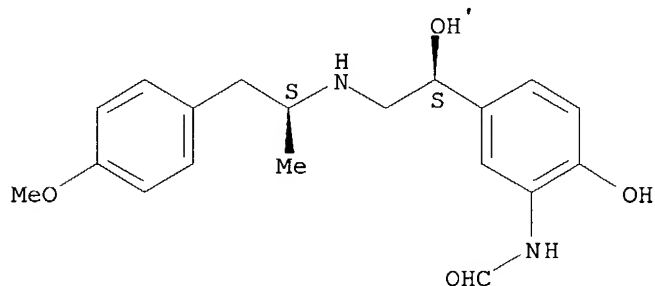


FS STEREOSEARCH  
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 RL.P Roles from patents: BIOL (Biological study); USES (Uses)

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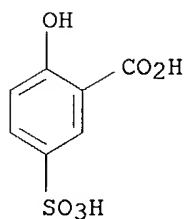
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 CMF C19 H24 N2 O4

Relative stereochemistry.



CM 2

CRN 97-05-2  
 CMF C7 H6 O6 S



1 REFERENCES IN FILE CA (1907 TO DATE)  
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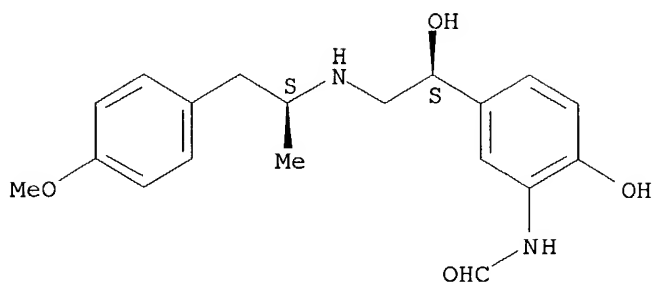
L3 ANSWER 13 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 708272-41-7 REGISTRY  
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 (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C19 H24 N2 O4 . C4 H8 O2  
 SR CA  
 LC STN Files: CA, CAPLUS  
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 RL.P Roles from patents: BIOL (Biological study); USES (Uses)

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CRN 73573-87-2  
 CMF C19 H24 N2 O4



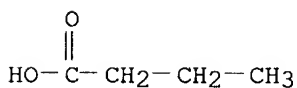
Relative stereochemistry.



CM 2

CRN 107-92-6

CMF C4 H8 O2



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 14 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 708272-40-6 REGISTRY

CN Benzoic acid, 2-(4-hydroxybenzoyl)-, compd. with rel-N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[[(1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (1:1) (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C19 H24 N2 O4 . C14 H10 O4

SR CA

LC STN Files: CA, CAPLUS

DT.CA CAlus document type: Patent

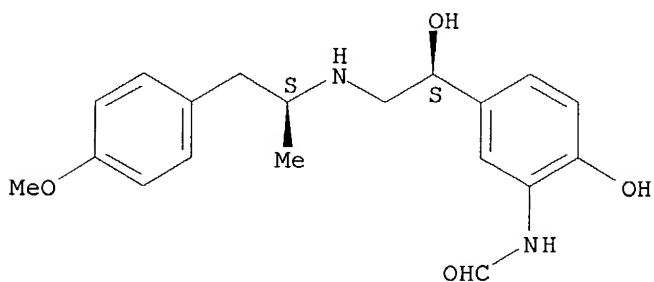
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CM 1

CRN 73573-87-2

CMF C19 H24 N2 O4

Relative stereochemistry.

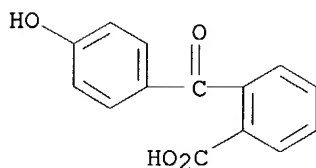




CM 2

CRN 85-57-4

CMF C14 H10 O4



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 15 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 708272-39-3 REGISTRY

CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[[(1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel-, monobenzoate (salt) (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C19 H24 N2 O4 . C7 H6 O2

SR CA

LC STN Files: CA, CAPLUS

DT.CA Caplus document type: Patent

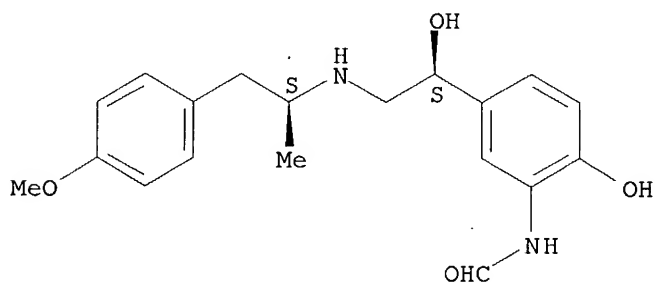
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

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CRN 73573-87-2

CMF C19 H24 N2 O4

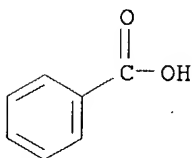
Relative stereochemistry.



CM 2

CRN 65-85-0

CMF C7 H6 O2





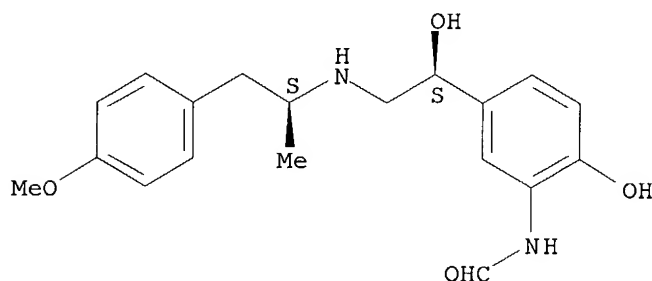
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 16 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 708272-38-2 REGISTRY  
CN D-Gluconic acid, compd. with rel-N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (1:1) (9CI)  
(CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . C6 H12 O7  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 73573-87-2  
CMF C19 H24 N2 O4

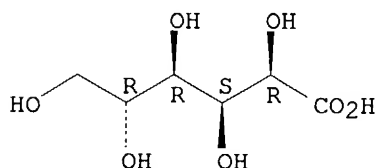
Relative stereochemistry.



CM 2

CRN 526-95-4  
CMF C6 H12 O7

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 17 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 708272-37-1 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel-, 2-hydroxy-1,2,3-propanetricarboxylate (3:1) (salt) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . 1/3 C6 H8 O7  
SR CA  
LC STN Files: CA, CAPLUS

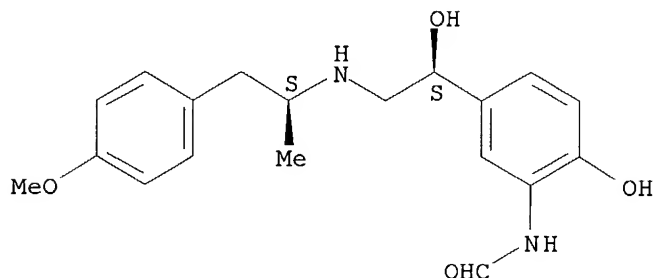


DT.CA CAplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

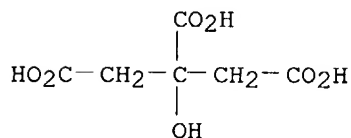
CRN 73573-87-2  
CMF C19 H24 N2 O4

Relative stereochemistry.



CM 2

CRN 77-92-9  
CMF C6 H8 O7



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

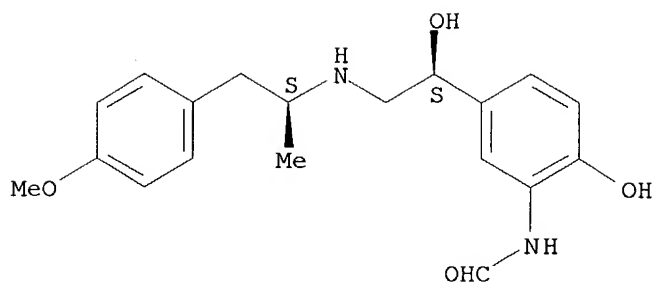
L3 ANSWER 18 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 708272-36-0 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel-, monoacetate (salt) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . C2 H4 O2  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 73573-87-2  
CMF C19 H24 N2 O4

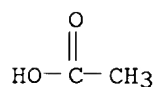
Relative stereochemistry.





CM 2

CRN 64-19-7  
CMF C2 H4 O2



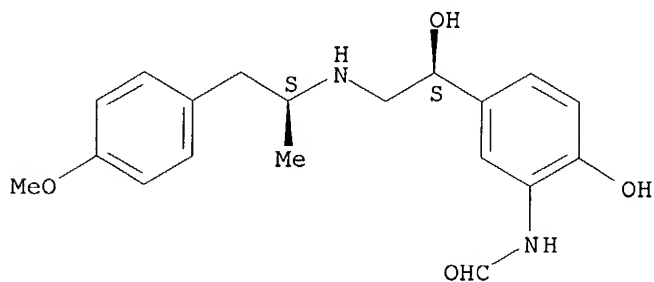
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 19 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 708272-35-9 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[[(1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel-, mononitrate (salt) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . H N O3  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 73573-87-2  
CMF C19 H24 N2 O4

Relative stereochemistry.

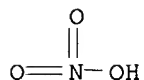


CM 2

CRN 7697-37-2



CMF H N O3



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 20 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 708272-34-8 REGISTRY

CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[(1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel-, phosphate (3:1) (salt) (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C19 H24 N2 O4 . 1/3 H3 O4 P

SR CA

LC STN Files: CA, CAPLUS

DT.CA CAplus document type: Patent

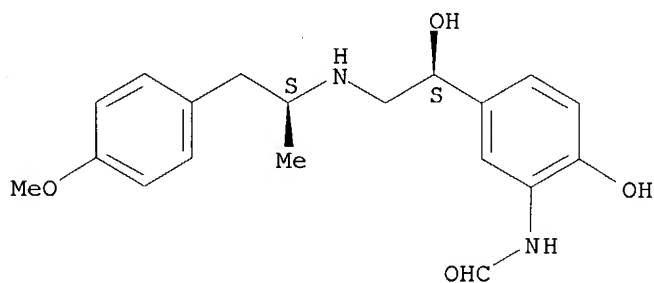
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 73573-87-2

CMF C19 H24 N2 O4

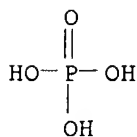
Relative stereochemistry.



CM 2

CRN 7664-38-2

CMF H3 O4 P



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 21 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

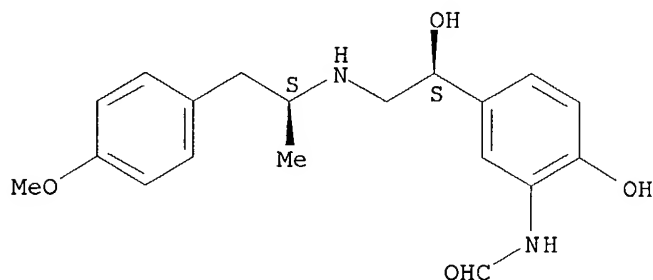
RN 708272-33-7 REGISTRY

CN INDEX NAME NOT YET ASSIGNED



FS STEREOSEARCH  
 MF C19 H24 N2 O4 . Br H  
 SR CA  
 LC STN Files: CA, CAPLUS  
 DT.CA Caplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study); USES (Uses)  
 CRN (73573-87-2)

Relative stereochemistry.

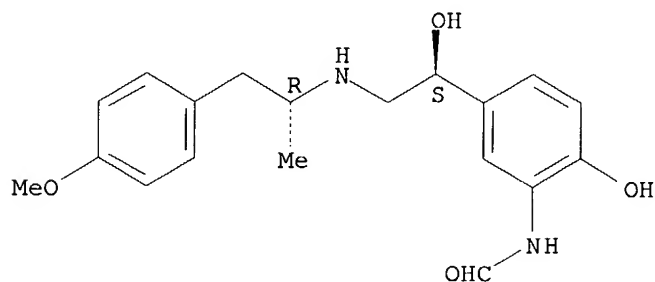


● HBr

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 22 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 532414-36-1 REGISTRY  
 CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[(1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel- (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C19 H24 N2 O4  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER  
 DT.CA Caplus document type: Journal  
 RL.NP Roles from non-patents: BIOL (Biological study); USES (Uses)

Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

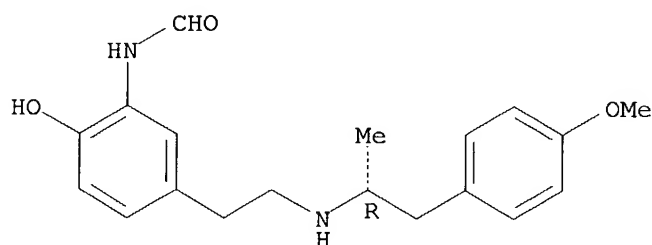
1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 23 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 477552-93-5 REGISTRY



CN Formamide, N-[2-hydroxy-5-[2-[[ (1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]- (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C19 H24 N2 O3  
 SR CA  
 LC STN Files: CA, CAPLUS  
 DT.CA Caplus document type: Journal  
 RL.NP Roles from non-patents: FORM (Formation, nonpreparative)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

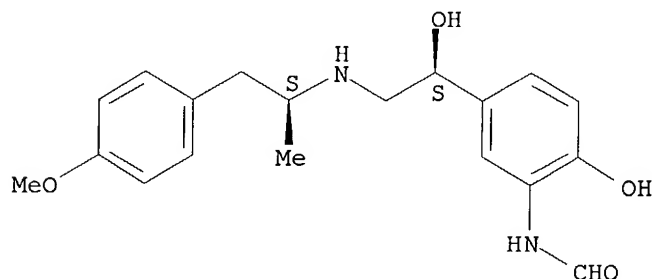
1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 24 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 369616-45-5 REGISTRY  
 CN 2-Naphthalenecarboxylic acid, 3-hydroxy-, compd. with N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[ (1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (1:1) (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[ (1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, mono(3-hydroxy-2-naphthalenecarboxylate) (salt) (9CI)  
 FS STEREOSEARCH  
 MF C19 H24 N2 O4 . C11 H8 O3  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL  
 DT.CA Caplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 67346-48-9  
 CMF C19 H24 N2 O4

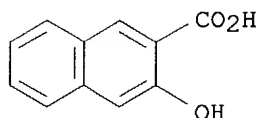
Absolute stereochemistry.





CM 2

CRN 92-70-6  
CMF C11 H8 O3



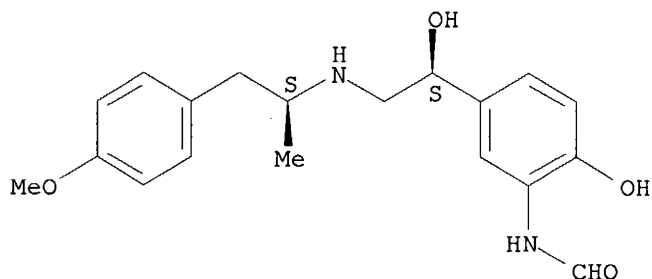
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 25 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 369616-43-3 REGISTRY  
CN 9-Octadecenoic acid (9Z)-, compd. with N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[[(1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (1:1) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[[(1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, mono-(9Z)-9-octadecenoate (salt) (9CI)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . C18 H34 O2  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 67346-48-9  
CMF C19 H24 N2 O4

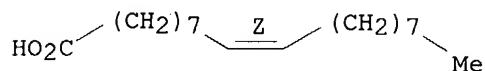
Absolute stereochemistry.



CM 2

CRN 112-80-1  
CMF C18 H34 O2

Double bond geometry as shown.





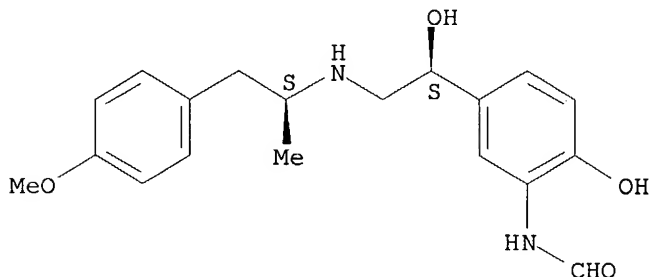
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 26 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 369616-40-0 REGISTRY  
CN 2-Naphthalenecarboxylic acid, 1-hydroxy-, compd. with N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[[(1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (1:1) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[[(1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, mono(1-hydroxy-2-naphthalenecarboxylate) (salt) (9CI)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . C11 H8 O3  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

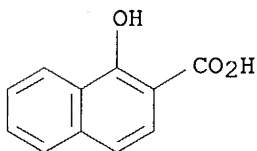
CRN 67346-48-9  
CMF C19 H24 N2 O4

Absolute stereochemistry.



CM 2

CRN 86-48-6  
CMF C11 H8 O3



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 27 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 369616-37-5 REGISTRY  
CN D-Gluconic acid, compd. with N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[[(1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (1:1) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[[(1S)-2-(4-methoxyphenyl)-1-

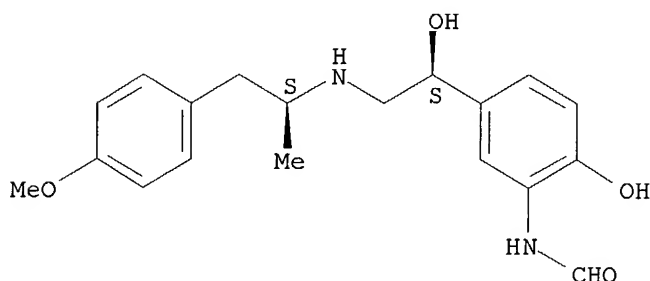


methylethyl]amino]ethyl]phenyl]-, mono-D-gluconate (salt) (9CI)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . C6 H12 O7  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 67346-48-9  
CMF C19 H24 N2 O4

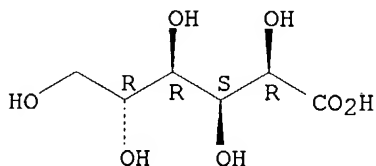
Absolute stereochemistry.



CM 2

CRN 526-95-4  
CMF C6 H12 O7

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

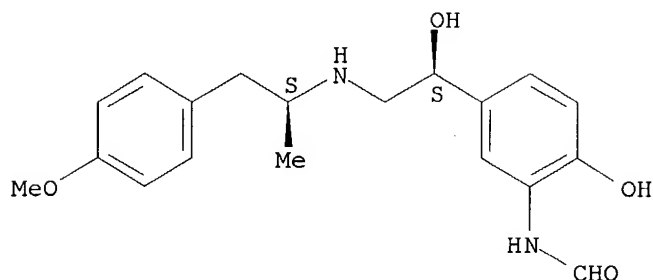
L3 ANSWER 28 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 369616-35-3 REGISTRY  
CN Pentanedioic acid, compd. with N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[(1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[(1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, pentanedioate (salt) (9CI)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . x C5 H8 O4  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1



CRN 67346-48-9  
CMF C19 H24 N2 O4

Absolute stereochemistry.



CM 2

CRN 110-94-1  
CMF C5 H8 O4

HO<sub>2</sub>C-(CH<sub>2</sub>)<sub>3</sub>-CO<sub>2</sub>H

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

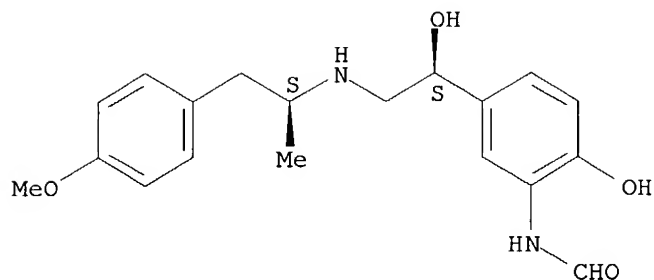
L3 ANSWER 29 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 369616-33-1 REGISTRY  
CN Propanoic acid, 2-hydroxy-, compd. with N-[2-hydroxy-5-[(1S)-1-hydroxy-2-  
[[ (1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide  
(1:1) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[ (1S)-2-(4-methoxyphenyl)-1-  
methylethyl]amino]ethyl]phenyl]-, mono(2-hydroxypropanoate) (salt) (9CI)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . C3 H6 O3  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 67346-48-9  
CMF C19 H24 N2 O4

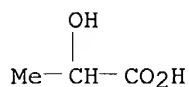
Absolute stereochemistry.





CM 2

CRN 50-21-5  
CMF C3 H6 O3



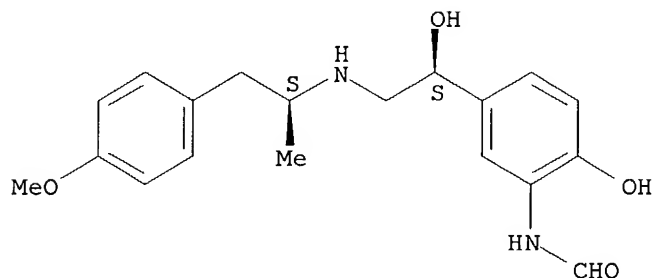
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 30 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 369616-29-5 REGISTRY  
CN Butanedioic acid, compd. with N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[(1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[(1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, butanedioate (salt) (9CI)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . x C4 H6 O4  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

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CMF C19 H24 N2 O4

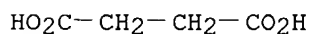
Absolute stereochemistry.





CM 2

CRN 110-15-6  
CMF C4 H6 O4



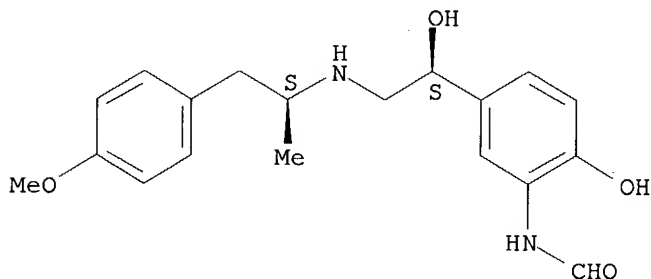
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 31 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 369616-26-2 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[ (1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, monoacetate (salt) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . C2 H4 O2  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

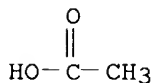
CRN 67346-48-9  
CMF C19 H24 N2 O4

Absolute stereochemistry.



CM 2

CRN 64-19-7  
CMF C2 H4 O2



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 32 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 369616-23-9 REGISTRY  
CN Benzoic acid, 2-hydroxy-, compd. with N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[ (1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide

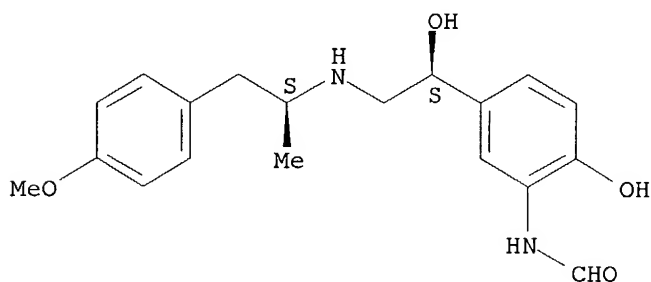


(1:1) (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[ (1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, mono(2-hydroxybenzoate) (salt) (9CI)  
 FS STEREOSEARCH  
 MF C19 H24 N2 O4 . C7 H6 O3  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL  
 DT.CA CAplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

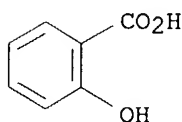
CRN 67346-48-9  
 CMF C19 H24 N2 O4

Absolute stereochemistry.



CM 2

CRN 69-72-7  
 CMF C7 H6 O3



1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

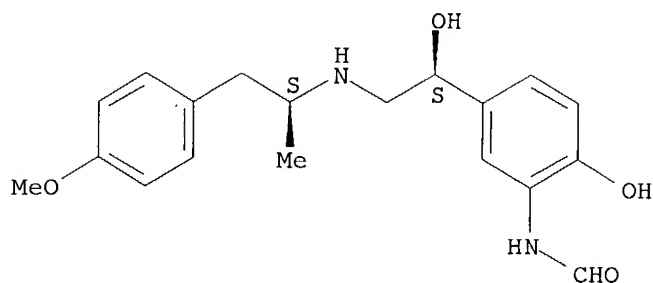
L3 ANSWER 33 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 369616-21-7 REGISTRY  
 CN L-Ascorbic acid, compd. with N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[ (1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (1:1) (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C19 H24 N2 O4 . C6 H8 O6  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL  
 DT.CA CAplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 67346-48-9  
 CMF C19 H24 N2 O4



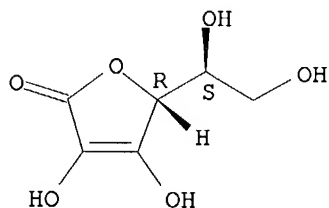
Absolute stereochemistry.



CM 2

CRN 50-81-7  
CMF C6 H8 O6

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

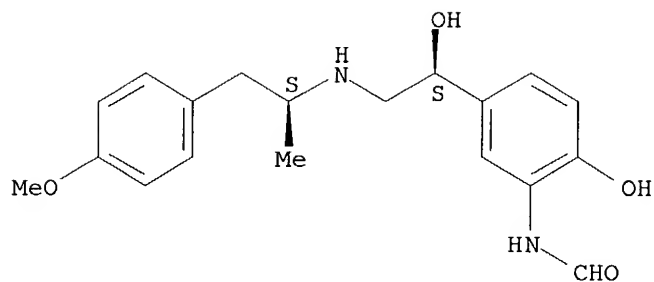
L3 ANSWER 34 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 369616-20-6 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[ (1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, monomethanesulfonate (salt) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . C H4 O3 S  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 67346-48-9  
CMF C19 H24 N2 O4

Absolute stereochemistry.

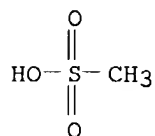




CM 2

CRN 75-75-2

CMF C H4 O3 S



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 35 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 369616-19-3 REGISTRY

CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[(1S)-2-(4-methoxyphenyl)-1-methylethylamino]ethyl]phenyl]-, mono(4-methylbenzenesulfonate) (salt) (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C19 H24 N2 O4 . C7 H8 O3 S

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

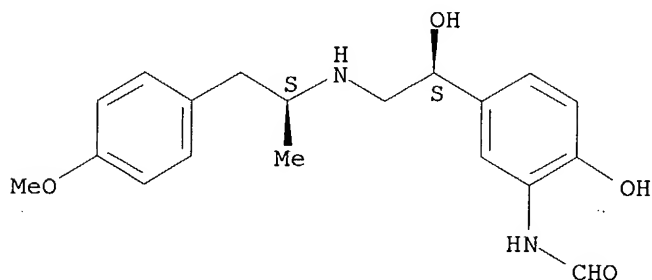
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 67346-48-9

CMF C19 H24 N2 O4

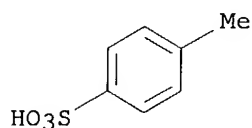
Absolute stereochemistry.



CM 2



CRN 104-15-4  
CMF C7 H8 O3 S



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 36 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 369616-18-2 REGISTRY

CN Benzoic acid, 4-chloro-, compd. with N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[ (1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (1:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[ (1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, mono(4-chlorobenzoate) (salt) (9CI)

FS STEREOSEARCH

MF C19 H24 N2 O4 . C7 H5 Cl O2

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

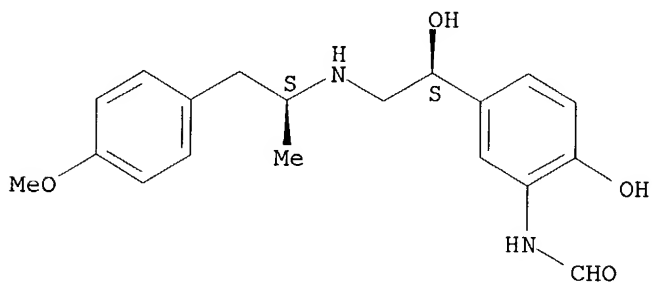
DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

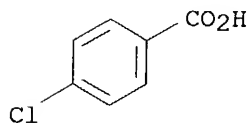
CRN 67346-48-9  
CMF C19 H24 N2 O4

Absolute stereochemistry.



CM 2

CRN 74-11-3  
CMF C7 H5 Cl O2





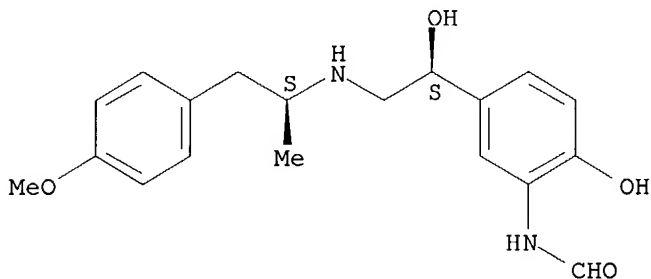
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 37 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 369616-17-1 REGISTRY  
CN Benzoic acid, 4-hydroxy-, compd. with N-[2-hydroxy-5-[(1S)-1-hydroxy-2-  
[[[(1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide  
(1:1) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[[(1S)-2-(4-methoxyphenyl)-1-  
methylethyl]amino]ethyl]phenyl]-, mono(4-hydroxybenzoate) (salt) (9CI)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . C7 H6 O3  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

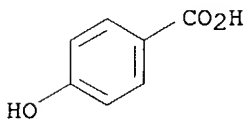
CRN 67346-48-9  
CMF C19 H24 N2 O4

Absolute stereochemistry.



CM 2

CRN 99-96-7  
CMF C7 H6 O3



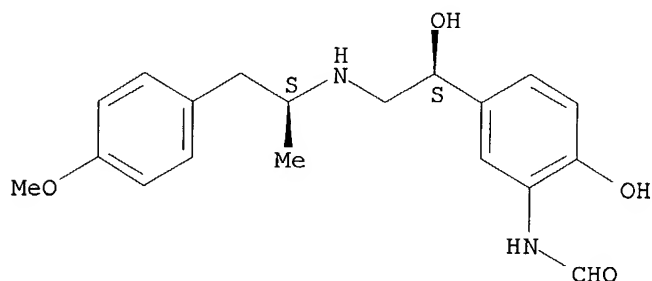
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 38 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 369616-16-0 REGISTRY  
CN Benzoic acid, 2-methoxy-, compd. with N-[2-hydroxy-5-[(1S)-1-hydroxy-2-  
[[[(1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide  
(1:1) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[[(1S)-2-(4-methoxyphenyl)-1-  
methylethyl]amino]ethyl]phenyl]-, mono(2-methoxybenzoate) (salt) (9CI)  
FS STEREOSEARCH



CM 1

Absolute stereochemistry.



CM 2

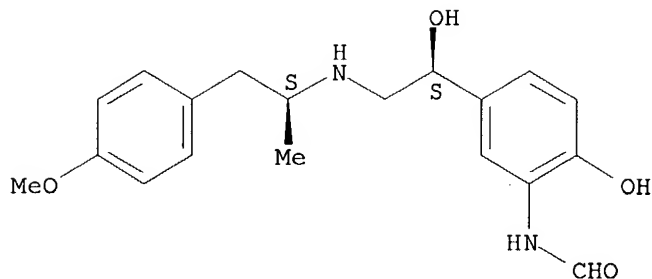
COc1ccccc1C(=O)O

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

CM 1

Absolute stereochemistry.

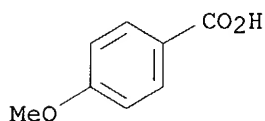




CM 2

CRN 100-09-4

CMF C8 H8 O3



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 40 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 369616-14-8 REGISTRY

CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[(1S)-2-(4-methoxyphenyl)-1-methylethylamino]ethyl]phenyl]-, monobenzoate (salt) (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C19 H24 N2 O4 . C7 H6 O2

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

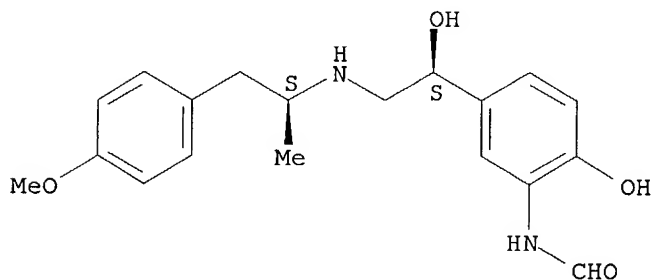
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 67346-48-9

CMF C19 H24 N2 O4

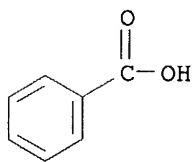
Absolute stereochemistry.



CM 2



CRN 65-85-0  
CMF C7 H6 O2



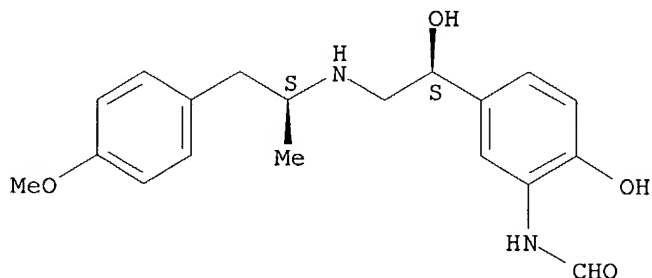
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 41 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 369616-13-7 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[ (1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, 2-hydroxy-1,2,3-propanetricarboxylate (salt) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . x C6 H8 O7  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

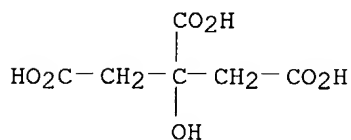
CRN 67346-48-9  
CMF C19 H24 N2 O4

Absolute stereochemistry.



CM 2

CRN 77-92-9  
CMF C6 H8 O7



1 REFERENCES IN FILE CA (1907 TO DATE)



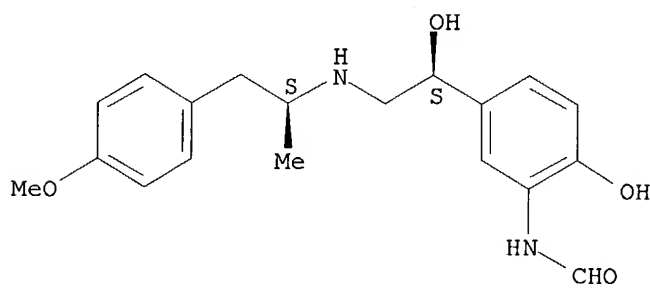
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 42 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 369616-11-5 REGISTRY  
 CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[ (1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (2R,3R)-2,3-dihydroxybutanedioate (salt) (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C19 H24 N2 O4 . x C4 H6 O6  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL  
 DT.CA CAplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 67346-48-9  
 CMF C19 H24 N2 O4

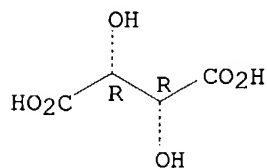
Absolute stereochemistry.



CM 2

CRN 87-69-4  
 CMF C4 H6 O6

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 43 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 369616-10-4 REGISTRY  
 CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[ (1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (2Z)-2-butenedioate (salt) (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C19 H24 N2 O4 . x C4 H4 O4  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL  
 DT.CA CAplus document type: Patent



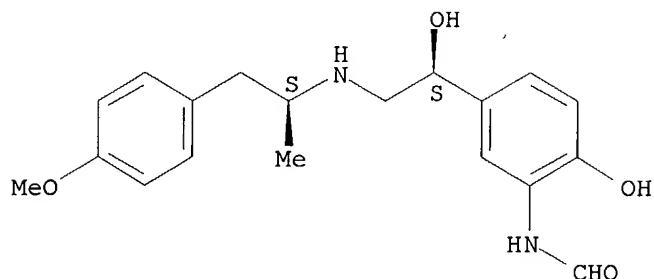
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 67346-48-9

CMF C19 H24 N2 O4

Absolute stereochemistry.

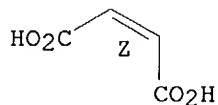


CM 2

CRN 110-16-7

CMF C4 H4 O4

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 44 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 369616-09-1 REGISTRY

CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[[(1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, phosphate (1:1) (salt) (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C19 H24 N2 O4 . H3 O4 P

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); USES (Uses)

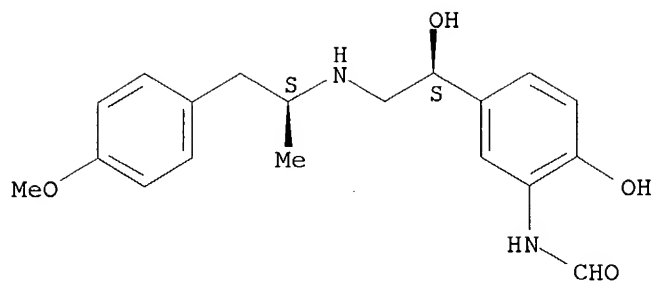
CM 1

CRN 67346-48-9

CMF C19 H24 N2 O4

Absolute stereochemistry.

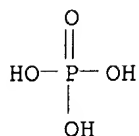




CM 2

CRN 7664-38-2

CMF H3 O4 P



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 45 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 369616-08-0 REGISTRY

CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, sulfate (1:1) (salt) (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C19 H24 N2 O4 . H2 O4 S

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

DT.CA CAplus document type: Patent

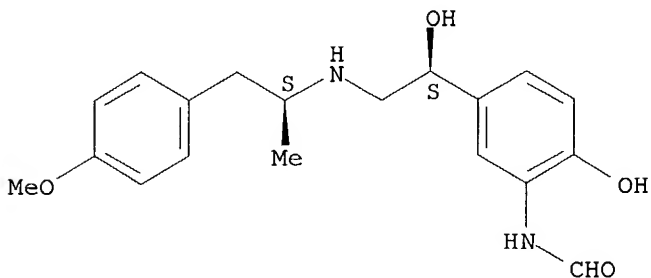
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 67346-48-9

CMF C19 H24 N2 O4

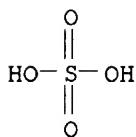
Absolute stereochemistry.



CM 2



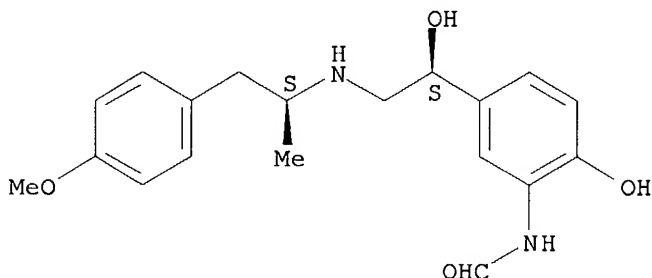
CRN 7664-93-9  
CMF H2 O4 S



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 46 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 369616-07-9 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[(1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, monohydrobromide (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . Br H  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL  
DT.CA CAPLUS document type: Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)  
CRN (67346-48-9)

Absolute stereochemistry.



● HBr

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 47 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 307494-38-8 REGISTRY  
CN 3-Oxa-9-azoniatricyclo[3.3.1.0<sup>2,4</sup>]nonane, 7-[(hydroxydi-2-thienylacetyl)oxy]-9,9-dimethyl-, bromide, (1 $\alpha$ ,2 $\beta$ ,4 $\beta$ ,5.alp ha.,7 $\beta$ )-, mixt. with N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[(1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (2E)-2-butenedioate (1:1) (salt) dihydrate (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[(1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (2E)-2-butenedioate (1:1) (salt), dihydrate, mixt. contg. (9CI)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . C19 H22 N O4 S2 . C4 H4 O4 . Br . 2 H2 O  
CI MXS

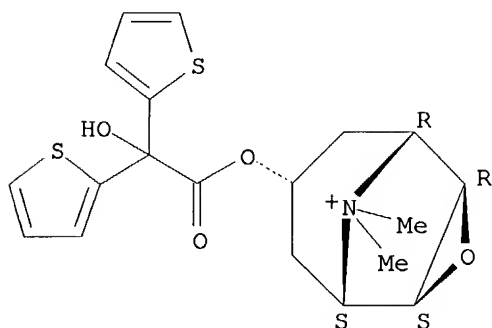


SR CA  
 LC STN Files: CA, CAPLUS, IMSPATENTS, IMSRESEARCH, USPAT2, USPATFULL  
 DT.CA Caplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 136310-93-5 (186691-13-4)  
 CMF C19 H22 N O4 S2 . Br

Relative stereochemistry.



● Br<sup>-</sup>

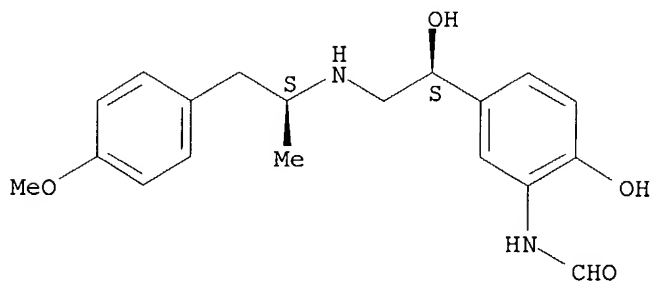
CM 2

CRN 307494-37-7  
 CMF C19 H24 N2 O4 . C4 H4 O4 . 2 H2 O

CM 3

CRN 67346-48-9  
 CMF C19 H24 N2 O4

Absolute stereochemistry.

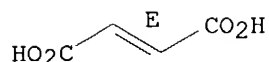


CM 4

CRN 110-17-8  
 CMF C4 H4 O4

Double bond geometry as shown.





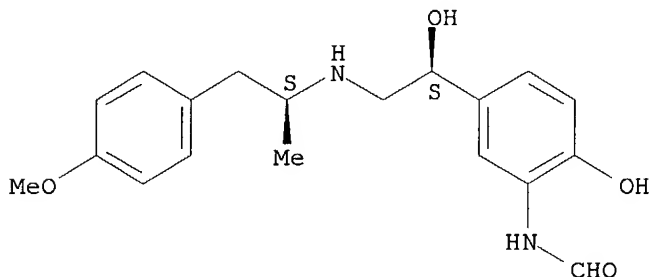
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 48 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 307494-37-7 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[ (1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (2E)-2-butenedioate (1:1) (salt), dihydrate (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . C4 H4 O4 . 2 H2 O  
CI COM  
SR CA  
LC STN Files: IMSPATENTS

CM 1

CRN 67346-48-9  
CMF C19 H24 N2 O4

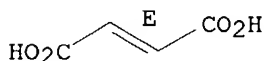
Absolute stereochemistry.



CM 2

CRN 110-17-8  
CMF C4 H4 O4

Double bond geometry as shown.



L3 ANSWER 49 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 307494-36-6 REGISTRY  
CN 3-Oxa-9-azoniatricyclo[3.3.1.0<sup>2,4</sup>]nonane, 7-[(hydroxydi-2-thienylacetyl)oxy]-9,9-dimethyl-, bromide, (1 $\alpha$ ,2 $\beta$ ,4 $\beta$ ,5.alpha.,7 $\beta$ )-, mixt. with rel-N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (2E)-2-butenedioate (2:1) (salt) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel-, (2E)-2-butenedioate (2:1) (salt), mixt. contg. (9CI)

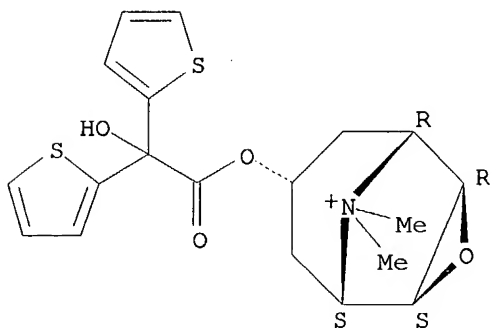


FS STEREOSEARCH  
 MF C19 H24 N2 O4 . C19 H22 N O4 S2 . 1/2 C4 H4 O4 . Br  
 CI MXS  
 SR CA  
 LC STN Files: CA, CAPLUS, IMSPATENTS, IMSRESEARCH, USPAT2, USPATFULL  
 DT.CA CAplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 136310-93-5 (186691-13-4)  
 CMF C19 H22 N O4 S2 . Br

Relative stereochemistry.



● Br<sup>-</sup>

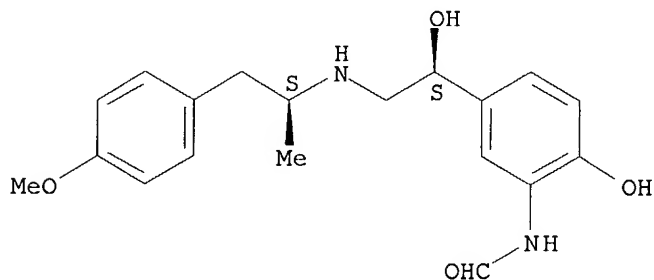
CM 2

CRN 43229-80-7  
 CMF C19 H24 N2 O4 . 1/2 C4 H4 O4

CM 3

CRN 73573-87-2  
 CMF C19 H24 N2 O4

Relative stereochemistry.



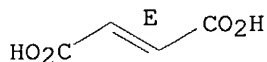
CM 4

CRN 110-17-8



CMF C4 H4 O4

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 50 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 257892-47-0 REGISTRY

CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[ (1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (2R,3R)-2,3-dihydroxybutanedioate (2:1) (salt) (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C19 H24 N2 O4 . 1/2 C4 H6 O6

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

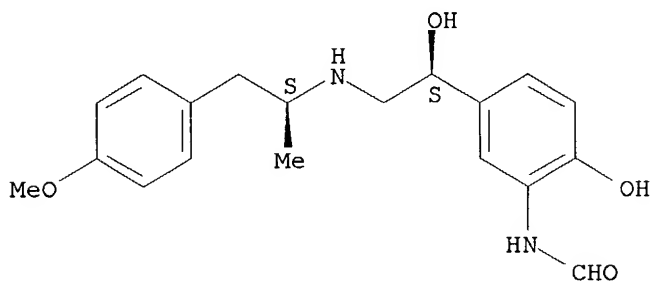
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 67346-48-9

CMF C19 H24 N2 O4

Absolute stereochemistry.

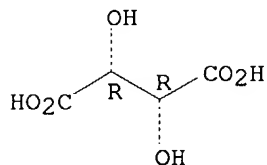


CM 2

CRN 87-69-4

CMF C4 H6 O6

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)

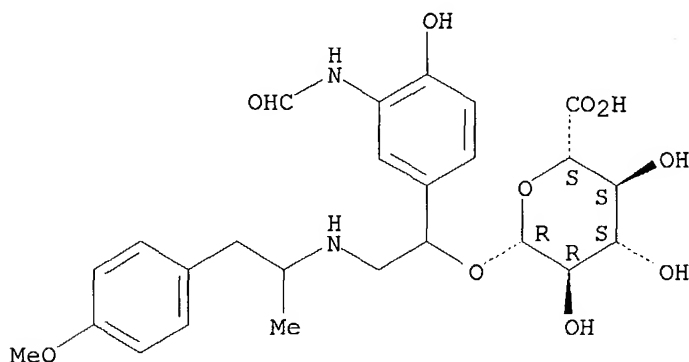
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 51 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN



RN 250336-07-3 REGISTRY  
 CN  $\beta$ -D-Glucopyranosiduronic acid, 1-[3-(formylamino)-4-hydroxyphenyl]-2-  
 [[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C25 H32 N2 O10  
 SR CA  
 LC STN Files: CA, CAPLUS  
 DT.CA CAPLUS document type: Journal  
 RL.NP Roles from non-patents: BIOL (Biological study); FORM (Formation,  
 nonpreparative); PROC (Process)

Absolute stereochemistry.



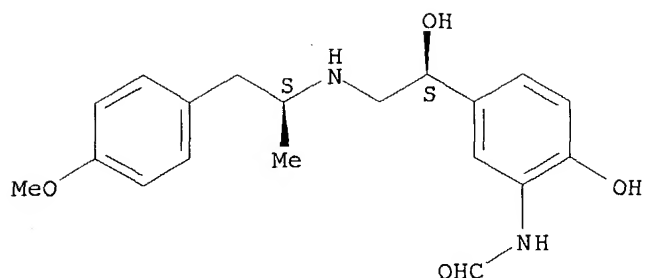
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 52 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 249508-94-9 REGISTRY  
 CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[1-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, dihydrate, rel- (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C19 H24 N2 O4 . 2 H2 O  
 SR CA  
 LC STN Files: CA, CAPLUS, IMSPATENTS, IMSRESEARCH, USPATFULL  
 DT.CA CAPLUS document type: Patent  
 RL.P Roles from patents: BIOL (Biological study); PROC (Process); USES  
 (Uses)  
 CRN (73573-87-2)

Relative stereochemistry.



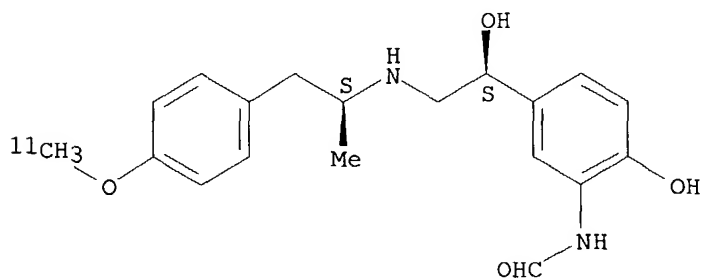


● 2 H<sub>2</sub>O

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 53 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 219724-17-1 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-[4-(methoxy-11C)phenyl]-1-methylethyl]amino]ethyl]phenyl]-, rel- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA Caplus document type: Journal  
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

Relative stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 54 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 211572-68-8 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (2E)-2-butenedioate (1:1) (salt), dihydrate (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . C4 H4 O4 . 2 H2 O  
SR CA  
LC STN Files: CA, CAPLUS, IMSPATENTS, IMSRESEARCH, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); PROC (Process); USES (Uses)

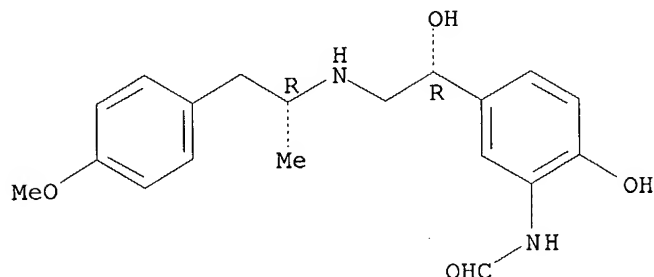


CM 1

CRN 67346-49-0

CMF C19 H24 N2 O4

Absolute stereochemistry. Rotation (-).

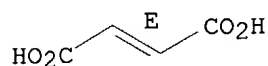


CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 55 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 200815-49-2 REGISTRY

CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, [R-(R\*,R\*)]-, [R-(R\*,R\*)]-2,3-dihydroxybutanedioate (1:1) (salt)

OTHER NAMES:

CN (R,R)-Formoterol L-tartrate

CN Arformoterol tartrate

FS STEREOSEARCH

DR 208102-41-4

MF C19 H24 N2 O4 . C4 H6 O6

SR CA

LC STN Files: CA, CAPLUS, CASREACT, IMSPATENTS, IMSRESEARCH, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL

DT.CA CAplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

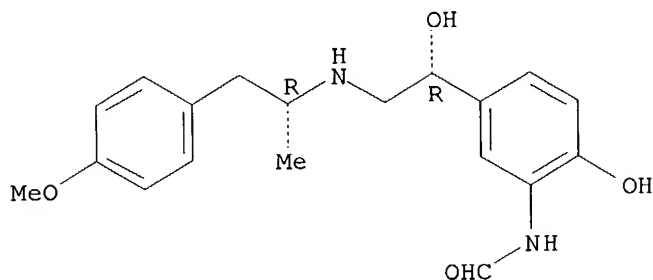
CM 1

CRN 67346-49-0

CMF C19 H24 N2 O4



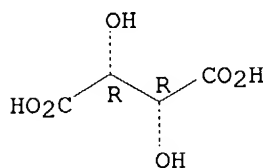
Absolute stereochemistry. Rotation (-).



CM 2

CRN 87-69-4  
CMF C4 H6 O6

Absolute stereochemistry.



8 REFERENCES IN FILE CA (1907 TO DATE)  
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 56 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 183814-30-4 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[(1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel-, (2E)-2-butenedioate (2:1) (salt), dihydrate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (R\*,R\*)-, (E)-2-butenedioate (2:1) (salt), dihydrate

OTHER NAMES:

CN Formoterol fumarate dihydrate

FS STEREOSEARCH

MF C19 H24 N2 O4 . 1/2 C4 H4 O4 . H2 O

SR CA

LC STN Files: BIOSIS, CA, CAPLUS, PS, TOXCENTER, USPAT2, USPATFULL

DT.CA Caplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PROC (Process); PRP (Properties); USES (Uses)

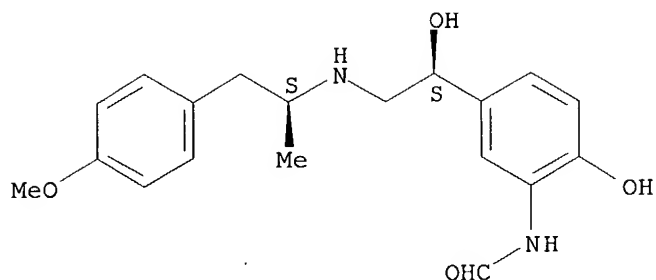
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); USES (Uses)

CM 1

CRN 73573-87-2  
CMF C19 H24 N2 O4

Relative stereochemistry.



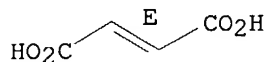


CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



45 REFERENCES IN FILE CA (1907 TO DATE)

45 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 57 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 169375-55-7 REGISTRY

CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (2E)-2-butenedioate (1:1) (salt) (9CI)  
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (E)-2-butenedioate (1:1) (salt)

FS STEREOSEARCH

MF C19 H24 N2 O4 . C4 H4 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

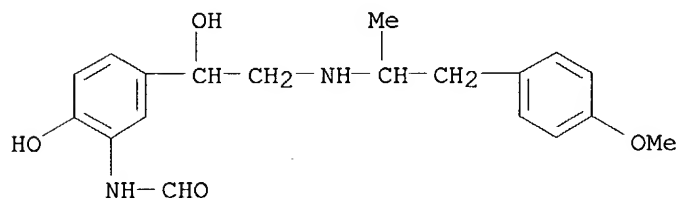
DT.CA Caplus document type: Patent

RL.P Roles from patents: PROC (Process)

CM 1

CRN 128954-45-0

CMF C19 H24 N2 O4



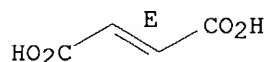
CM 2

CRN 110-17-8

CMF C4 H4 O4



Double bond geometry as shown.



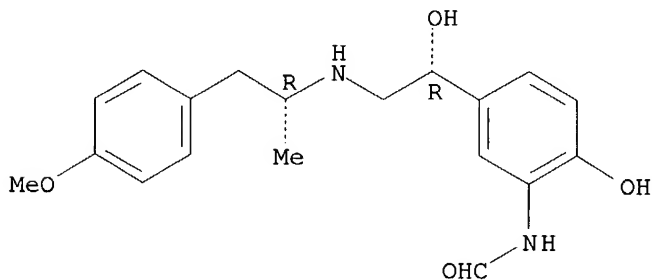
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 58 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 169375-54-6 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (2E)-2-butenedioate (1:1) (salt) (9CI)  
(CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, [R-(R\*,R\*)]-, (E)-2-butenedioate (1:1)  
(salt)  
OTHER NAMES:  
CN (R,R)-Formoterol fumarate  
FS STEREOSEARCH  
DR 208102-42-5  
MF C19 H24 N2 O4 . C4 H4 O4  
SR CA  
LC STN Files: CA, CAPLUS, IMSPATENTS, IMSRESEARCH, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES  
(Uses)

CM 1

CRN 67346-49-0  
CMF C19 H24 N2 O4

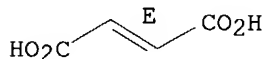
Absolute stereochemistry. Rotation (-).



CM 2

CRN 110-17-8  
CMF C4 H4 O4

Double bond geometry as shown.



5 REFERENCES IN FILE CA (1907 TO DATE)



5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

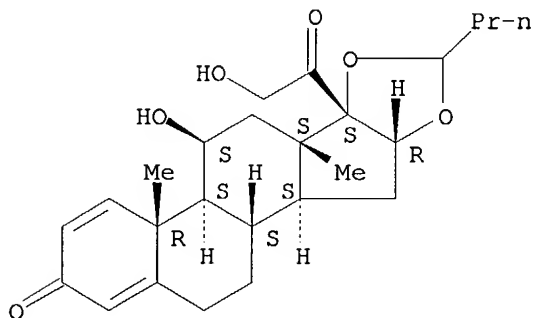
L3 ANSWER 59 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 150693-38-2 REGISTRY  
 CN Pregna-1,4-diene-3,20-dione, 16,17-[butylidenebis(oxy)]-11,21-dihydroxy-,  
 (11 $\beta$ ,16 $\alpha$ )-, mixt. with rel-N-[2-hydroxy-5-[(1R)-1-hydroxy-2-  
 [[(1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide  
 (2E)-2-butenedioate (2:1) (salt) (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 2H-Naphth[2',1':4,5]indeno[1,2-d][1,3]dioxole, prena-1,4-diene-3,20-dione  
 deriv.  
 CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-  
 methylethyl]amino]ethyl]phenyl]-, rel-, mixt. contg. (9CI)  
 CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-  
 methylethyl]amino]ethyl]phenyl]-, (R\*,R\*)-( $\pm$ )-, mixt. contg.  
 CN Pregna-1,4-diene-3,20-dione, 16,17-[butylidenebis(oxy)]-11,21-dihydroxy-,  
 (11 $\beta$ ,16 $\alpha$ )-, mixt. with (R\*,R\*)-( $\pm$ )-N-[2-hydroxy-5-[1-hydroxy-  
 2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide  
 (E)-2-butenedioate (2:1) (salt)  
 FS STEREOSEARCH  
 MF C25 H34 O6 . C19 H24 N2 O4 . 1/2 C4 H4 O4  
 CI MXS  
 PCT Polyester, Polyester formed, Polyketone, Polyvinyl  
 SR CA  
 LC STN Files: CA, CAPLUS, IMSPATENTS, IMSRESEARCH, USPATFULL  
 DT.CA CAplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study)

CM 1

CRN 51333-22-3

CMF C25 H34 O6

Absolute stereochemistry.



CM 2

CRN 43229-80-7

CMF C19 H24 N2 O4 . 1/2 C4 H4 O4

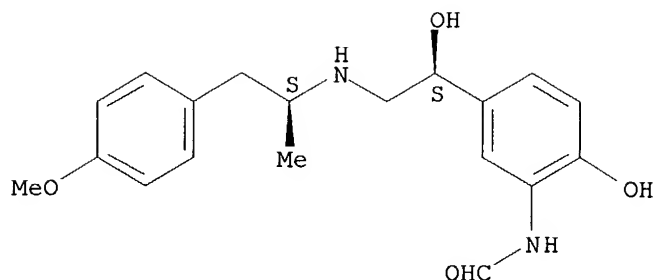
CM 3

CRN 73573-87-2

CMF C19 H24 N2 O4

Relative stereochemistry.



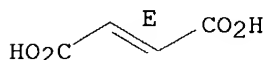


CM 4

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 60 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 150693-37-1 REGISTRY

CN Pregna-1,4-diene-3,20-dione, 16,17-[butylidenebis(oxy)]-11,21-dihydroxy-, (11 $\beta$ ,16 $\alpha$ )-, mixt. with rel-N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[[(1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2H-Naphth[2',1':4,5]indeno[1,2-d][1,3]dioxole, pregna-1,4-diene-3,20-dione deriv.

CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[[(1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel-, mixt. contg. (9CI)

CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (R\*,R\*)-( $\pm$ )-, mixt. contg.

CN Pregna-1,4-diene-3,20-dione, 16,17-[butylidenebis(oxy)]-11,21-dihydroxy-, (11 $\beta$ ,16 $\alpha$ )-, mixt. with (R\*,R\*)-( $\pm$ )-N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide

OTHER NAMES:

CN Budesonide-formoterol mixt.

CN Formoterol-budesonide mixt.

CN Symbicort

FS STEREOSEARCH

MF C25 H34 O6 . C19 H24 N2 O4

CI MXS

PCT Polyother, Polyother only

SR CA

LC STN Files: ADISNEWS, BIOSIS, CA, CAPLUS, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, PROMT, TOXCENTER, USPATFULL

DT.CA Caplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); USES (Uses)

RL.NP Roles from non-patents: BIOL (Biological study); USES (Uses)

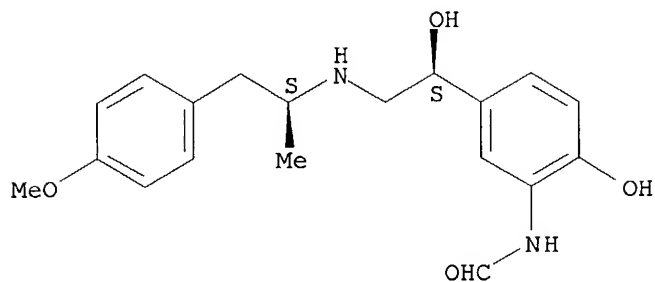
CM 1

CRN 73573-87-2

CMF C19 H24 N2 O4



Relative stereochemistry.

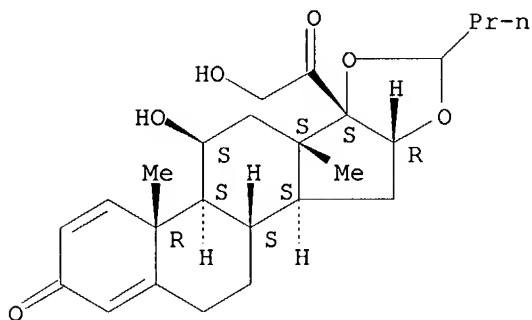


CM 2

CRN 51333-22-3

CMF C25 H34 O6

Absolute stereochemistry.



19 REFERENCES IN FILE CA (1907 TO DATE)

19 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 61 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 143687-27-8 REGISTRY

CN Formamide, N-[(1R)-2-hydroxy-5-[(1R)-1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (2E)-2-butenedioate (2:1) (salt) (9CI)  
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, [R-(R\*,R\*)]-, (E)-2-butenedioate (2:1)  
(salt)

FS STEREOSEARCH

DR 289657-28-9

MF C19 H24 N2 O4 . 1/2 C4 H4 O4

SR CA

LC STN Files: BEILSTEIN\*, CA, CAPLUS, IMSPATENTS, IMSRESEARCH, USPATFULL  
(\*File contains numerically searchable property data)

DT.CA Caplus document type: Journal; Patent

RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

RL.NP Roles from non-patents: PREP (Preparation)

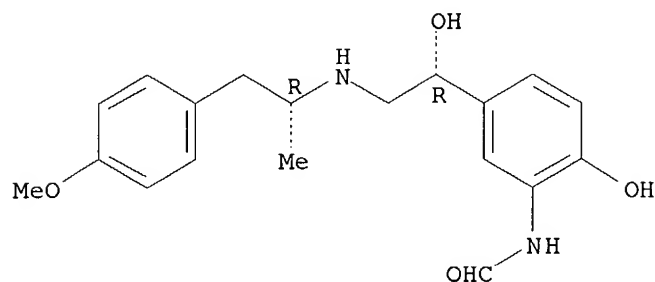
CM 1

CRN 67346-49-0

CMF C19 H24 N2 O4



Absolute stereochemistry. Rotation (-).

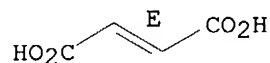


CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



3 REFERENCES IN FILE CA (1907 TO DATE)

3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 62 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 140173-34-8 REGISTRY

CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[(1S)-2-(4-methoxyphenyl)-1-methylethylamino]ethyl]phenyl]-, (2E)-2-butenedioate (2:1) (salt) (9CI)  
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethylamino]ethyl]phenyl]-, [R-(R\*,S\*)]-, (E)-2-butenedioate (2:1)  
(salt)

FS STEREOSEARCH

MF C19 H24 N2 O4 . 1/2 C4 H4 O4

SR CA

LC STN Files: BEILSTEIN\*, CA, CAPLUS

(\*File contains numerically searchable property data)

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: PREP (Preparation)

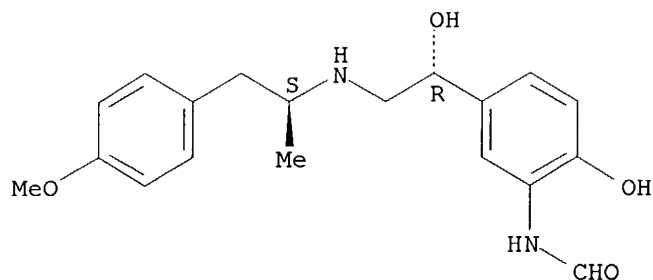
CM 1

CRN 67346-51-4

CMF C19 H24 N2 O4

Absolute stereochemistry.



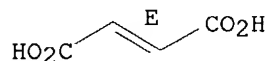


CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 63 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 140173-32-6 REGISTRY

CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (2E)-2-butenedioate (2:1) (salt) (9CI)  
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, [S-(R\*,R\*)]-, (E)-2-butenedioate (2:1)  
(salt)

FS STEREOSEARCH

MF C19 H24 N2 O4 . 1/2 C4 H4 O4

SR CA

LC STN Files: BEILSTEIN\*, CA, CAPLUS, USPATFULL

(\*File contains numerically searchable property data)

DT.CA Caplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES  
(Uses)

RL.NP Roles from non-patents: PREP (Preparation)

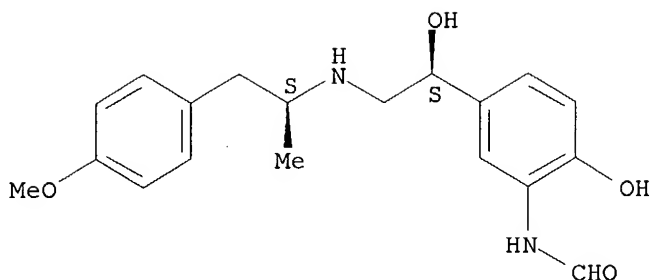
CM 1

CRN 67346-48-9

CMF C19 H24 N2 O4

Absolute stereochemistry.



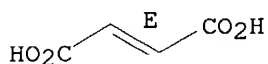


CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



3 REFERENCES IN FILE CA (1907 TO DATE)

3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 64 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 128954-45-0 REGISTRY

CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN N-[2-Hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide

FS 3D CONCORD

MF C19 H24 N2 O4

CI COM

SR CA

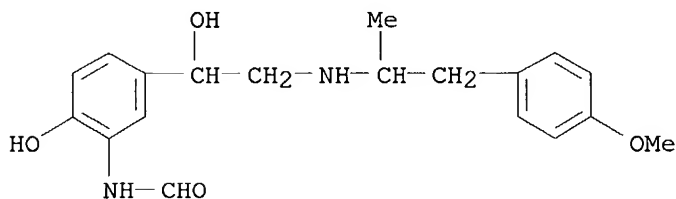
LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT, USPATFULL

(\*File contains numerically searchable property data)

DT.CA CAplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process)

RL.NP Roles from non-patents: BIOL (Biological study); PROC (Process)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4 REFERENCES IN FILE CA (1907 TO DATE)

4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 65 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN



RN 107322-04-3 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel-, sulfate (2:1) (salt) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (R\*,R\*)-(±)-, sulfate (2:1) (salt)

OTHER NAMES:

CN Formoterol hemisulfate

FS STEREOSEARCH

MF C19 H24 N2 O4 . 1/2 H2 O4 S

SR CA

LC STN Files: CA, CAPLUS, IMSPATENTS, IMSRESEARCH, USPATFULL

DT.CA Caplus document type: Patent

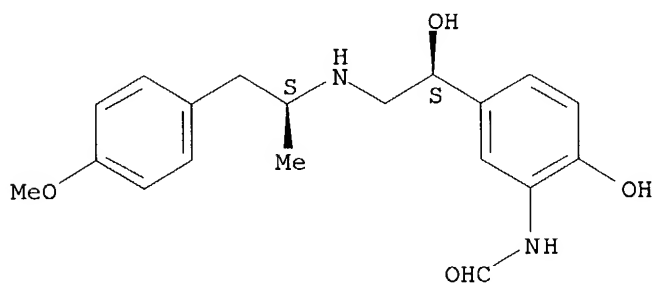
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

CM 1

CRN 73573-87-2

CMF C19 H24 N2 O4

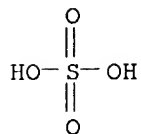
Relative stereochemistry.



CM 2

CRN 7664-93-9

CMF H2 O4 S



5 REFERENCES IN FILE CA (1907 TO DATE)

5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 66 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 107322-03-2 REGISTRY

CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, monohydrochloride, (R\*,R\*)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

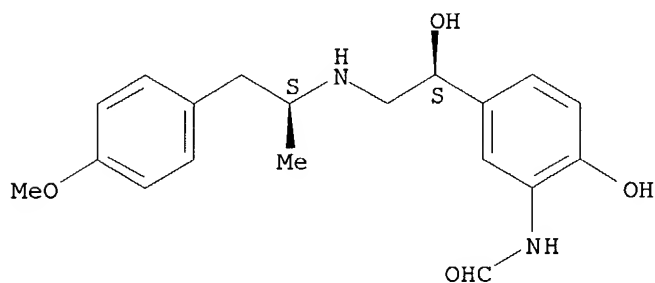
CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, monohydrochloride, (R\*,R\*)-(±)-

OTHER NAMES:



CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, monohydrochloride, rel-  
 CN Formoterol hydrochloride  
 FS STEREOSEARCH  
 MF C19 H24 N2 O4 . C1 H  
 SR CA  
 LC STN Files: CA, CAPLUS, IMSPATENTS, IMSRESEARCH, USPATFULL  
 DT.CA Caplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)  
 CRN (73573-87-2)

Relative stereochemistry.



● HCl

4 REFERENCES IN FILE CA (1907 TO DATE)  
 4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

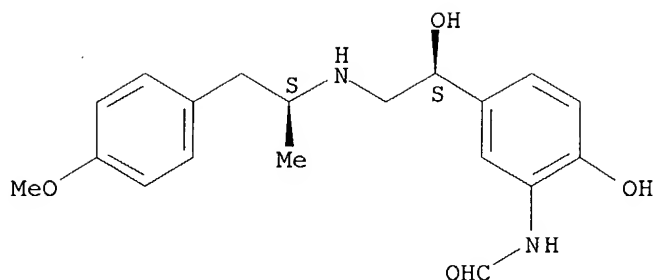
L3 ANSWER 67 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 80440-59-1 REGISTRY  
 CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel-, (2E)-2-butenedioate (salt) (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (R\*,R\*)-(±)-, (E)-2-butenedioate (salt)  
 FS STEREOSEARCH  
 MF C19 H24 N2 O4 . x C4 H4 O4  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, IMSPATENTS, IMSRESEARCH, USPATFULL (\*File contains numerically searchable property data)  
 DT.CA Caplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study)

CM 1

CRN 73573-87-2  
 CMF C19 H24 N2 O4

Relative stereochemistry.



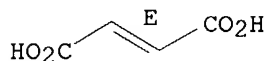


CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 68 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 80085-05-8 REGISTRY

CN Formamide, N-[5-[2-[[2-(3,4-dimethoxyphenyl)-1-methyl-2-oxoethyl]amino]-1-hydroxyethyl]-2-hydroxyphenyl]-, (2E)-2-butenedioate (2:1) (salt) (9CI)  
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Formamide, N-[5-[2-[[2-(3,4-dimethoxyphenyl)-1-methyl-2-oxoethyl]amino]-1-hydroxyethyl]-2-hydroxyphenyl]-, (E)-2-butenedioate (2:1) (salt)

FS STEREOSEARCH

MF C20 H24 N2 O6 . 1/2 C4 H4 O4

LC STN Files: CA, CAPLUS

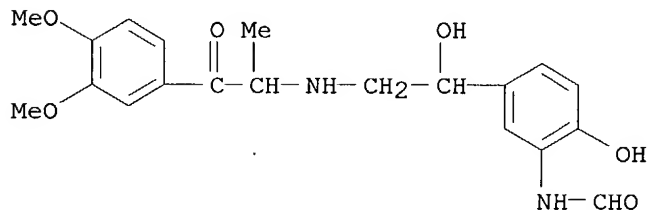
DT.CA Caplus document type: Patent

RL.P Roles from patents: PREP (Preparation)

CM 1

CRN 80085-04-7

CMF C20 H24 N2 O6



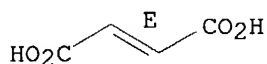
CM 2

CRN 110-17-8

CMF C4 H4 O4

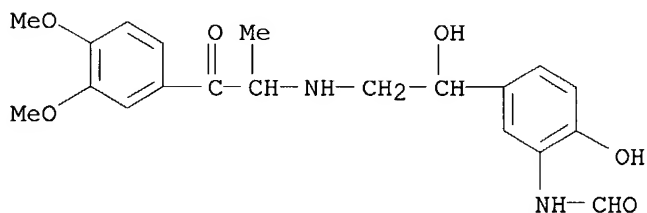


Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 69 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 80085-04-7 REGISTRY  
CN Formamide, N-[5-[2-[[2-(3,4-dimethoxyphenyl)-1-methyl-2-oxoethyl]amino]-1-hydroxyethyl]-2-hydroxyphenyl]- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C20 H24 N2 O6  
CI COM



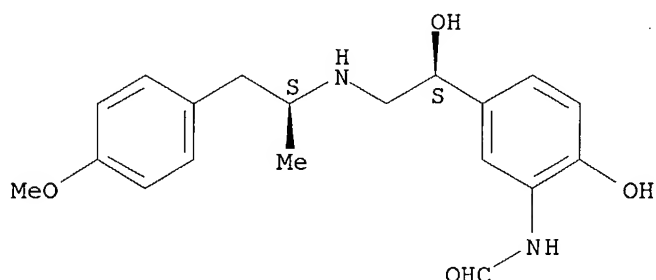
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 ANSWER 70 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 73573-87-2 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (R\*,R\*)-(±)-  
OTHER NAMES:  
CN (±)Formoterol  
CN Eformoterol  
CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (R\*,R\*)-  
CN Formoterol  
CN Oxis  
FS STEREOSEARCH  
DR 126587-85-7, 49861-99-6, 183814-29-1  
MF C19 H24 N2 O4  
CI COM  
LC STN Files: ADISINSIGHT, ADISNEWS, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CBNB, CEN, CHEMCATS, CIN, DDFU, DIOGENES, DRUGU, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK\*, PHAR, PROMT, PROUSDDR, PS, RTECS\*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: WHO  
DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent  
RL.P Roles from patents: BIOL (Biological study); MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)  
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)



RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)  
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); PRP (Properties)

Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

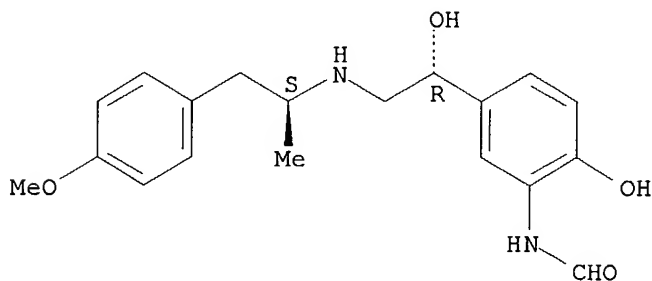
483 REFERENCES IN FILE CA (1907 TO DATE)  
 21 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 484 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 71 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 67346-57-0 REGISTRY  
 CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, [R-(R\*,S\*)]-, [R-(R\*,R\*)]-2,3-dihydroxybutanedioate (1:1) (salt)  
 FS STEREOSEARCH  
 MF C19 H24 N2 O4 . C4 H6 O6  
 LC STN Files: CA, CAPLUS  
 DT.CA CAplus document type: Journal  
 RL.NP Roles from non-patents: PREP (Preparation)

CM 1

CRN 67346-51-4  
 CMF C19 H24 N2 O4

Absolute stereochemistry.

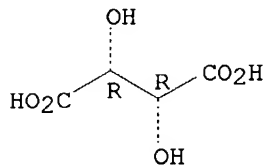




CM 2

CRN 87-69-4  
CMF C4 H6 O6

Absolute stereochemistry.



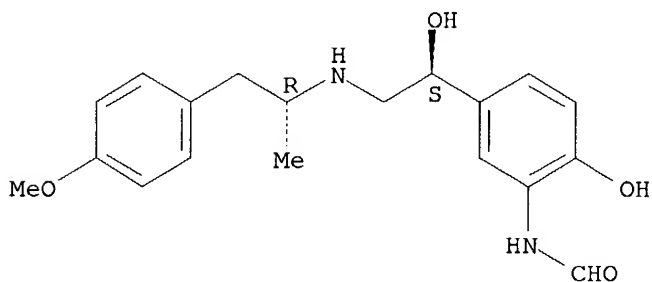
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 72 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 67346-56-9 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, [S-(R\*,S\*)]-, [S-(R\*,R\*)]-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H24 N2 O4 . C4 H6 O6  
LC STN Files: CA, CAPLUS  
DT.CA CAplus document type: Journal  
RL.NP Roles from non-patents: PREP (Preparation)

CM 1

CRN 67346-50-3  
CMF C19 H24 N2 O4

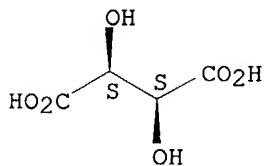
Absolute stereochemistry.



CM 2

CRN 147-71-7  
CMF C4 H6 O6

Absolute stereochemistry.





1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 73 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 67346-55-8 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[ (1R)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (2S,3S)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

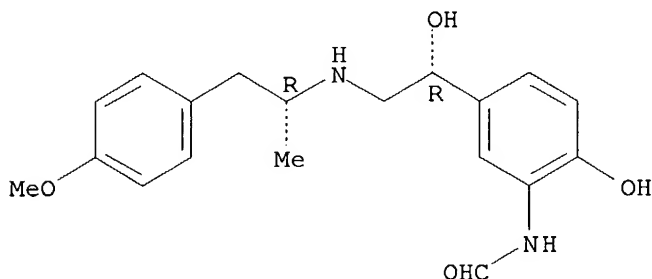
OTHER NAMES:

CN (S,S)-Formoterol D-tartrate  
FS STEREOSEARCH  
DR 208102-43-6  
MF C19 H24 N2 O4 . C4 H6 O6  
LC STN Files: CA, CAPLUS, IMSPATENTS, IMSRESEARCH, USPATFULL  
DT.CA Caplus document type: Journal; Patent  
RL.P Roles from patents: PREP (Preparation)  
RL.NP Roles from non-patents: PREP (Preparation)

CM 1

CRN 67346-49-0  
CMF C19 H24 N2 O4

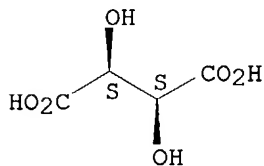
Absolute stereochemistry. Rotation (-).



CM 2

CRN 147-71-7  
CMF C4 H6 O6

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 74 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 67346-54-7 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[ (1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:

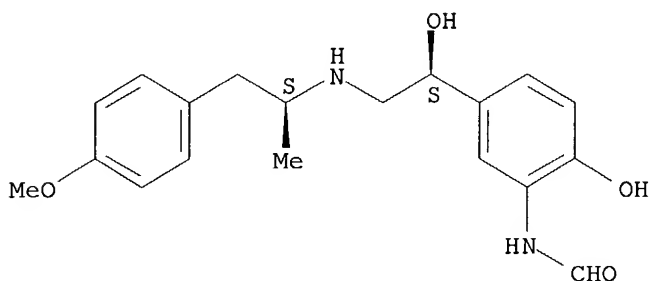


CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, [S-(R\*,R\*)]-, [R-(R\*,R\*)]-2,3-dihydroxybutanedioate (1:1) (salt)  
 FS STEREOSEARCH  
 MF C19 H24 N2 O4 . C4 H6 O6  
 LC STN Files: CA, CAPLUS  
 DT.CA Cplus document type: Journal  
 RL.NP Roles from non-patents: PREP (Preparation)

CM 1

CRN 67346-48-9  
 CMF C19 H24 N2 O4

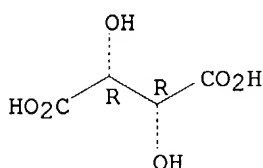
Absolute stereochemistry.



CM 2

CRN 87-69-4  
 CMF C4 H6 O6

Absolute stereochemistry.

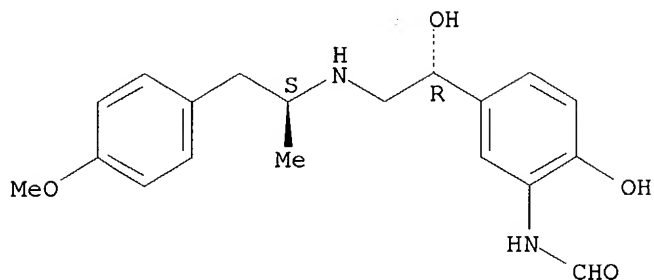


1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 75 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 67346-51-4 REGISTRY  
 CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, [R-(R\*,S\*)]-  
 FS STEREOSEARCH  
 MF C19 H24 N2 O4  
 CI COM  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 DT.CA Cplus document type: Journal; Patent  
 RL.P Roles from patents: BIOL (Biological study)  
 RL.NP Roles from non-patents: PREP (Preparation)



Absolute stereochemistry.

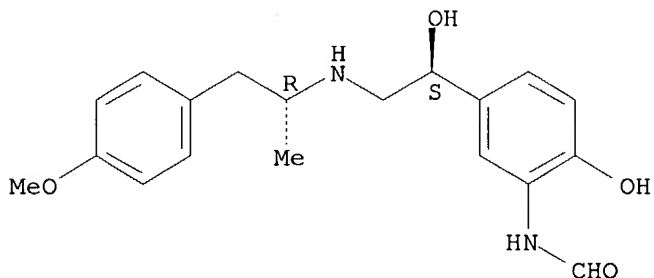


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 76 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 67346-50-3 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, [S-(R\*,S\*)]-  
FS STEREOSEARCH  
MF C19 H24 N2 O4  
CI COM  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
DT.CA Caplus document type: Journal; Patent  
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)  
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 77 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 67346-49-0 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]- (9CI) (CA INDEX NAME)



OTHER CA INDEX NAMES:

CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, [R-(R\*,R\*)]-

OTHER NAMES:

CN (-)-Formoterol

CN (R,R)-Formoterol

CN Arformoterol

FS STEREOSEARCH

DR 208102-40-3, 289657-27-8, 299964-45-7

MF C19 H24 N2 O4

CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, BEILSTEIN\*, BIOSIS, CA, CAPLUS, CASREACT, CIN, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, PHAR, PROMT, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

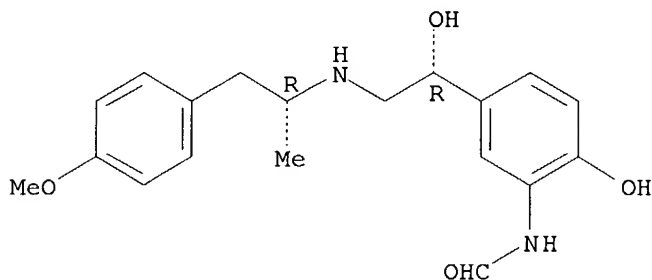
DT.CA CAPLUS document type: Conference; Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PROC (Process); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

Absolute stereochemistry. Rotation (-).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

36 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

36 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 78 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN

RN 67346-48-9 REGISTRY

CN Formamide, N-[2-hydroxy-5-[(1S)-1-hydroxy-2-[[1S)-2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, [S-(R\*,R\*)]-

OTHER NAMES:

CN (+)-Formoterol

CN (S,S)-Formoterol

FS STEREOSEARCH

MF C19 H24 N2 O4

CI COM

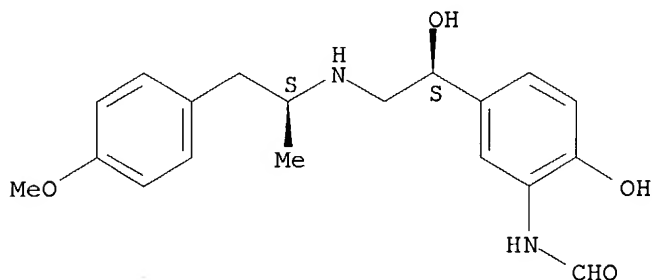
LC STN Files: ADISNEWS, BEILSTEIN\*, BIOSIS, CA, CAPLUS, CASREACT, TOXCENTER, USPAT2, USPATFULL



(\*File contains numerically searchable property data)

DT.CA CAplus document type: Conference; Journal; Patent  
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT  
(Reactant or reagent)  
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological  
study); PREP (Preparation); PROC (Process); PRP (Properties); USES  
(Uses)

Absolute stereochemistry.



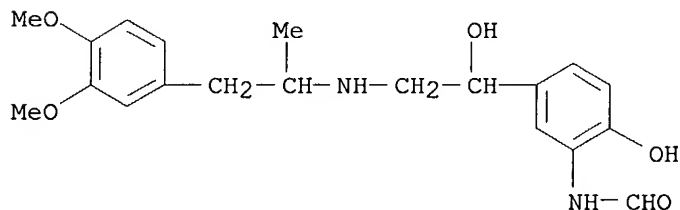
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

19 REFERENCES IN FILE CA (1907 TO DATE)  
19 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 79 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 58176-38-8 REGISTRY  
CN Formamide, N-[5-[2-[[2-(3,4-dimethoxyphenyl)-1-methylethyl]amino]-1-hydroxyethyl]-2-hydroxyphenyl]-, (2E)-2-butenedioate (2:1) (salt) (9CI)  
(CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Formamide, N-[5-[2-[[2-(3,4-dimethoxyphenyl)-1-methylethyl]amino]-1-hydroxyethyl]-2-hydroxyphenyl]-, (E)-2-butenedioate (2:1) (salt)  
FS STEREOSEARCH  
MF C20 H26 N2 O5 . 1/2 C4 H4 O4  
LC STN Files: CA, CAPLUS  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: PREP (Preparation)

CM 1

CRN 58176-37-7  
CMF C20 H26 N2 O5

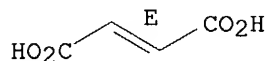


CM 2



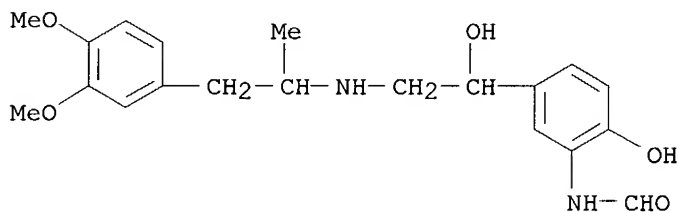
CRN 110-17-8  
CMF C4 H4 O4

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 80 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 58176-37-7 REGISTRY  
CN Formamide, N-[5-[2-[[2-(3,4-dimethoxyphenyl)-1-methylethyl]amino]-1-hydroxyethyl]-2-hydroxyphenyl]- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C20 H26 N2 O5  
CI COM



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 ANSWER 81 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 43229-80-7 REGISTRY  
CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, rel-, (2E)-2-butenedioate (2:1) (salt) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (R\*,R\*)-(±)-, (E)-2-butenedioate (2:1) (salt)  
OTHER NAMES:  
CN Aformoterol  
CN Atock  
CN BD 40A  
CN CGP 25827A  
CN Eformoterol fumarate  
CN Foradil  
CN Foradil Acrolizer  
CN Foradil Certihaler  
CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]-, (R\*,R\*)-, (E)-2-butenedioate (2:1) (salt)  
CN Formoterol fumarate  
CN NSC 299587  
CN Oxis pMDi  
CN YM 08316  
FS STEREOSEARCH  
DR 83536-10-1, 87481-49-0, 87833-61-2  
MF C19 H24 N2 O4 . 1/2 C4 H4 O4

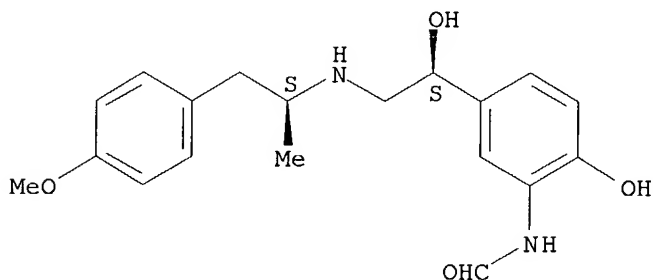


CI COM  
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*,  
 BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CEN,  
 CHEMCATS, CIN, CSChem, DIOGENES, EMBASE, IFICDB, IFIPAT, IFIUDB,  
 IMSCoSEARCH, MSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK\*, PHAR, PROMT,  
 PROUSDDR, PS, RTECS\*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 DT.CA CAplus document type: Journal; Patent  
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC  
 (Process); PRP (Properties); USES (Uses)  
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological  
 study); USES (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological  
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 (Uses)

CM 1

CRN 73573-87-2  
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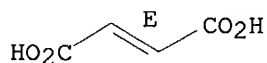
Relative stereochemistry.



CM 2

CRN 110-17-8  
 CMF C4 H4 O4

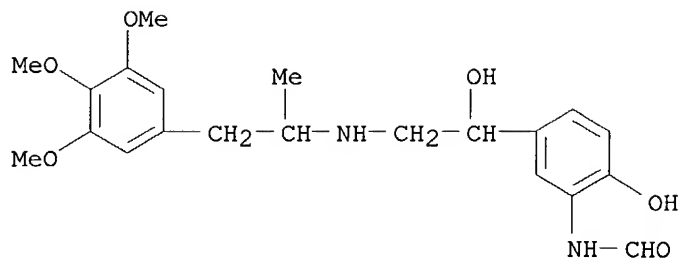
Double bond geometry as shown.



123 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 124 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 82 OF 82 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 43229-76-1 REGISTRY  
 CN Formamide, N-[2-hydroxy-5-[1-hydroxy-2-[[1-methyl-2-(3,4,5-  
 trimethoxyphenyl)ethyl]amino]ethyl]phenyl]- (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C21 H28 N2 O6  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL  
 (\*File contains numerically searchable property data)  
 DT.CA CAplus document type: Patent  
 RL.P Roles from patents: PREP (Preparation)





\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

300.98

301.19

FILE 'CAPLUS' ENTERED AT 09:02:49 ON 20 JUL 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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FILE COVERS 1907 - 20 Jul 2004 VOL 141 ISS 4

FILE LAST UPDATED: 19 Jul 2004 (20040719/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 596 L3

=> d l4 1-10 100 200 300 400 500 590-596

L4 ANSWER 1 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2004:531336 CAPLUS

TI Pharmaceutical porous particles comprising lipid carriers

IN Harwigsson, Ian

PA Adagit, Swed.

SO PCT Int. Appl., 58 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1



	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004054556	A1	20040701	WO 2003-SE1952	20031215
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, FR, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	SE 2002-3687	A	20021213		
	US 2003-457396P	P	20030325		
RE.CNT	5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L4 ANSWER 2 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2004:513547 CAPLUS  
 DN 141:59747  
 TI Combination medicaments of ciclesonide and formoterol  
 IN Dietzel, Klaus; Marx, Degenhard; Mueller, Helgert; Weimar, Christian  
 PA Altana Pharma Ag, Germany  
 SO PCT Int. Appl., 14 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004052374	A1	20040624	WO 2003-EP14045	20031211
	W: AE, AL, AU, BA, BR, CA, CN, CO, DZ, EC, EG, GE, HR, ID, IL, IN, IS, JP, KR, LT, LV, MA, MK, MX, NO, NZ, PH, PL, SG, TN, UA, US, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
PRAI	EP 2002-27797	A	20021212		
	DE 2003-10306213	A	20030213		

L4 ANSWER 3 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2004:486398 CAPLUS  
 DN 141:42917  
 TI Pharmaceutical formulations comprising  $\beta$ -2 adrenoreceptor agonists and xanthines and therapeutic use for asthma  
 IN Lulla, Amar; Malhotra, Geena  
 PA Cipla Limited, India; Wain, Christopher Paul  
 SO PCT Int. Appl., 27 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004050067	A1	20040617	WO 2003-GB5232	20031201
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD,				



RU, TJ, TM  
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,  
BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU,  
MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG

PRAI GB 2002-27948 A 20021129

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2004:471046 CAPLUS

DN 141:17637

TI Method using a TGF- $\beta$  signaling inhibitor for counteracting a  
pathologic change in the  $\beta$ -adrenergic pathway

IN Feng, Ying; Higgins, Linda S.; Kapoun, Ann M.; Liu, David Y.; Schreiner,  
George F.

PA Scios, Inc., USA

SO PCT Int. Appl., 139 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004048930	A2	20040610	WO 2003-US37416	20031120
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA			
	RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2004127575	A1	20040701	US 2003-718948	20031120
PRAI	US 2002-429046P	P	20021122		
	US 2003-504585P	P	20030918		

L4 ANSWER 5 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2004:467984 CAPLUS

DN 141:22217

TI Therapy of non-malignant diseases or disorders with anti-ErbB2 antibodies  
IN Sliwkowski, Mark X.; Brunetta, Paul G.

PA Genentech, Inc., USA

SO PCT Int. Appl., 74 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004048525	A2	20040610	WO 2003-US37367	20031121
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD			
	RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,			



BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU,  
MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG

PRAI US 2002-428027P P 20021121

L4 ANSWER 6 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2004:467745 CAPLUS  
DN 141:28661  
TI Carbonate and carbamate modified forms of glucocorticoids in combination  
with  $\beta$ 2 adrenergic agonists  
IN Currie, Mark G.; Jones, Steve; Grover, Paul; Senanayake, Chris H.; Fang,  
Kevin Q.  
PA Sepracor Inc., USA  
SO PCT Int. Appl., 37 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004047845	A1	20040610	WO 2003-US24732	20030807
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRAI US 2002-428180P P 20021121

US 2003-633086 A 20030801

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2004:467737 CAPLUS  
DN 141:1200  
TI New synergistic combination comprising roflumilast and formoterol  
IN Beume, Rolf; Bundschuh, Daniela; Kolassa, Norbert; Marx, Degenhard;  
Weimar, Christian  
PA Altana Pharma A.-G., Germany  
SO PCT Int. Appl., 15 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004047829	A1	20040610	WO 2003-EP13275	20031126
	W:	AE, AL, AU, BA, BR, CA, CN, CO, DZ, EC, EG, GE, HR, ID, IL, IN, IS, JP, KR, LT, LV, MA, MK, MX, NO, NZ, PH, PL, SG, TN, UA, US, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR			

PRAI EP 2002-26505 A 20021127

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN



AN 2004:467736 CAPLUS  
DN 141:17574  
TI Synergistic combination comprising roflumilast and (R,R) -formoterol  
IN Beume, Rolf; Bundschuh, Daniela; Marx, Degenhard; Weimar, Christian;  
Wollin, Stefan-Lutz  
PA Altana Pharma A.-G., Germany  
SO PCT Int. Appl., 14 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004047828	A1	20040610	WO 2003-EP13266	20031126
	W:	AE, AL, AU, BA, BR, CA, CN, CO, DZ, EC, EG, GE, HR, ID, IL, IN, IS, JP, KR, LT, LV, MA, MK, MX, NO, NZ, PH, PL, SG, TN, UA, US, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR			
PRAI	EP 2002-26504	A	20021127		
RE.CNT	10	THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD			
		ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L4 ANSWER 9 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2004:453035 CAPLUS  
DN 141:12311  
TI Process to minimize the pharmaceutical loss through adhesion to equipment surfaces  
IN Cawthorne, Simon  
PA Astrazeneca Ab, Swed.  
SO PCT Int. Appl., 15 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004045621	A1	20040603	WO 2003-SE1760	20031113
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ			
	RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRAI	SE 2002-3376	A	20021115		
RE.CNT	6	THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD			
		ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L4 ANSWER 10 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2004:430288 CAPLUS  
DN 140:429017  
TI Drug condensation aerosols and kits  
IN Hale, Ron L.; Hodges, Craig C.; Lloyd, Peter M.; Lu, Amy T.; Myers, Daniel J.; Rabinowitz, Joshua D.; Wensley, Martin J.  
PA Alexza Molecular Delivery Corporation, USA  
SO U.S. Pat. Appl. Publ., 84 pp., Cont.-in-part of U.S. Ser. No. 633,877.  
CODEN: USXXCO



DT Patent  
 LA English  
 FAN.CNT 31

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----		-----	-----	-----
PI	US 2004099269	A1	20040527	US 2003-718982	20031120
	US 2003051728	A1	20030320	US 2001-57198	20011026
	US 2003015197	A1	20030123	US 2002-146088	20020513
	US 2003017115	A1	20030123	US 2002-146516	20020513
	US 6737042	B2	20040518		
	US 2003035776	A1	20030220	US 2002-146515	20020513
	US 6682716	B2	20040127		
	US 2003209240	A1	20031113	US 2002-146086	20020513
	US 2003007933	A1	20030109	US 2002-150267	20020515
	US 2003007934	A1	20030109	US 2002-150268	20020515
	US 2003017117	A1	20030123	US 2002-151596	20020516
	US 2003206869	A1	20031106	US 2002-151626	20020516
	US 2003017116	A1	20030123	US 2002-150857	20020517
	US 6716415	B2	20040406		
	US 2003021753	A1	20030130	US 2002-150591	20020517
	US 2003005924	A1	20030109	US 2002-152652	20020520
	US 6740307	B2	20040525		
	US 2003012740	A1	20030116	US 2002-153139	20020520
	US 2003017118	A1	20030123	US 2002-152639	20020520
	US 6716416	B2	20040406		
	US 2003021754	A1	20030130	US 2002-152640	20020520
	US 6743415	B2	20040601		
	US 2003012737	A1	20030116	US 2002-153311	20020521
	US 2003015189	A1	20030123	US 2002-153831	20020521
	US 6740308	B2	20040525		
	US 2003017119	A1	20030123	US 2002-153839	20020521
	US 2003032638	A1	20030213	US 2002-153313	20020521
	US 2003005925	A1	20030109	US 2002-155621	20020522
	US 6759029	B2	20040706		
	US 2003012738	A1	20030116	US 2002-155373	20020522
	US 6737043	B2	20040518		
	US 2003017120	A1	20030123	US 2002-155703	20020522
	US 2003021755	A1	20030130	US 2002-155705	20020522
	US 2003000518	A1	20030102	US 2002-155097	20020523
	US 6716417	B2	20040406		
	US 2003015190	A1	20030123	US 2002-154594	20020523
	US 6740309	B2	20040525		
	US 2003017114	A1	20030123	US 2002-154765	20020523
	US 2003118512	A1	20030626	US 2002-280315	20021025
	US 2003138382	A1	20030724	US 2002-302010	20021121
	US 2003138508	A1	20030724	US 2002-322227	20021217
	US 2004126326	A1	20040701	US 2003-734902	20031212
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	US 2004126327	A1	20040701	US 2003-735199	20031212
	US 2004127490	A1	20040701	US 2003-735495	20031212
	US 2004126328	A1	20040701	US 2003-735496	20031212
	US 2004126329	A1	20040701	US 2003-735497	20031212
PRAI	US 2001-57197	A2	20011026		
	US 2001-57198	A2	20011026		
	US 2001-332279P	P	20011121		
	US 2001-332280P	P	20011121		
	US 2001-342066P	P	20011218		
	US 2002-50056	B2	20020114		
	US 2002-57098	A2	20020123		
	US 2002-371457P	P	20020409		
	US 2002-146080	A2	20020513		
	US 2002-146086	A2	20020513		



US 2002-146088	A2	20020513
US 2002-146515	A2	20020513
US 2002-146516	A2	20020513
US 2002-150267	A2	20020515
US 2002-150268	A2	20020515
US 2002-151596	A2	20020516
US 2002-151626	A2	20020516
US 2002-150591	A2	20020517
US 2002-150857	A2	20020517
US 2002-152639	A2	20020520
US 2002-152640	A2	20020520
US 2002-152652	A2	20020520
US 2002-153139	A2	20020520
US 2002-153311	A2	20020521
US 2002-153313	B2	20020521
US 2002-153831	A2	20020521
US 2002-153839	A2	20020521
US 2002-155373	A2	20020522
US 2002-155621	A2	20020522
US 2002-155703	A2	20020522
US 2002-155705	A2	20020522
US 2002-154594	A2	20020523
US 2002-154765	A2	20020523
US 2002-155097	A2	20020523
US 2002-412068P	P	20020918
US 2002-280315	A2	20021025
US 2002-302010	A2	20021121
US 2002-302614	A2	20021121
US 2002-322227	A2	20021217
US 2003-633876	A2	20030804
US 2003-633877	A2	20030804
US 2001-294203P	P	20010524
US 2001-296225P	P	20010605
US 2001-317479P	P	20010905
US 2001-335049P	P	20011030
US 2001-336218P	P	20011030
US 2001-345145P	P	20011109
US 2001-345876P	P	20011109

L4 ANSWER 100 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2003:361542 CAPLUS  
 DN 139:255098  
 TI A comparison of salmeterol and formoterol in attenuating airway responses  
 to short-acting  $\beta$ 2-agonists  
 AU van Veen, A.; Weller, F. R.; Wierenga, E. A.; Jansen, H. M.; Jonkers, R.  
 E.  
 CS Academic Medical Centre, Department of Pulmonology, University of  
 Amsterdam, Amsterdam, 1105 AZ, Neth.  
 SO Pulmonary Pharmacology & Therapeutics (2003), 16(3), 153-161  
 CODEN: PPTHFJ; ISSN: 1094-5539  
 PB Elsevier Science Ltd.  
 DT Journal  
 LA English  
 RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 200 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2002:263769 CAPLUS  
 DN 136:350685  
 TI A randomized, double-blind trial of the effect of glucocorticoid,  
 antileukotriene and  $\beta$ -agonist treatment on IL-10 serum levels in  
 children with asthma



AU Stelmach, I.; Jerzynska, J.; Kuna, P.  
 CS Department of Paediatrics and Allergy, Medical University, Lodz, Pol.  
 SO Clinical and Experimental Allergy (2002), 32(2), 264-269  
 CODEN: CLEAEN; ISSN: 0954-7894  
 PB Blackwell Publishing Ltd.  
 DT Journal  
 LA English  
 RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 300 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2000:573659 CAPLUS  
 DN 133:168405  
 TI Pharmaceuticals containing formoterol and a tiotropium salt  
 IN Hassan, Ian Francis; Clarke, Jeremy Guy; Cuenoud, Bernard  
 PA Novartis A.-G., Switz.; Novartis-Erfindungen Verwaltungsgesellschaft  
 m.b.H.  
 SO PCT Int. Appl., 25 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000047200	A1	20000817	WO 2000-EP958	20000207
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	CA 2360248	AA	20000817	CA 2000-2360248	20000207
	BR 2000008039	A	20011106	BR 2000-8039	20000207
	EP 1158970	A1	20011205	EP 2000-902663	20000207
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	TR 200102226	T2	20020121	TR 2001-200102226	20000207
	JP 2002536408	T2	20021029	JP 2000-598152	20000207
	NZ 513304	A	20030131	NZ 2000-513304	20000207
	AU 770632	B2	20040226	AU 2000-24419	20000207
	ZA 2001005648	A	20020812	ZA 2001-5648	20010710
	NO 2001003460	A	20010913	NO 2001-3460	20010712
	US 6537524	B1	20030325	US 2001-924246	20010808
	US 2003125350	A1	20030703	US 2003-365310	20030212
PRAI	GB 1999-2689	A	19990208		
	WO 2000-EP958	W	20000207		
	US 2001-924246	A1	20010808		

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 400 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1998:500965 CAPLUS  
 DN 130:10763  
 TI Concomitant inhaled corticosteroid resensitizes cardiac  $\beta$ 2-adrenoceptors in the presence of long-acting  $\beta$ 2-agonist therapy  
 AU Aziz, I.; McFarlane, L. C.; Lipworth, B. J.  
 CS Department of Clinical Pharmacology and Therapeutics, Ninewells Hospital and Medical School, University of Dundee, Dundee, DD1 9SY, UK



SO European Journal of Clinical Pharmacology (1998), 54(5), 377-381  
CODEN: EJCPAS; ISSN: 0031-6970  
PB Springer-Verlag  
DT Journal  
LA English  
RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 500 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1994:400561 CAPLUS  
DN 121:561  
TI Formoterol and salmeterol are both long acting compared to terbutaline in the isolated perfused and ventilated guinea-pig lung  
AU Jeppsson, Ann-Britt; Nilsson, Elisabet; Waldeck, Bertil  
CS Department of Pharmacology 2, Astra Draco AB, Box 34, Lund, S-221 00, Swed.  
SO European Journal of Pharmacology (1994), 257(1-2), 137-43  
CODEN: EJPHAZ; ISSN: 0014-2999  
DT Journal  
LA English

L4 ANSWER 590 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1978:507796 CAPLUS  
DN 89:107796  
TI Absolute configurations of four isomers of 3-formamido-4-hydroxy- $\alpha$ -[[N-(p-methoxy- $\alpha$ -methylphenethyl)amino]methyl]benzyl alcohol, a potent  $\beta$ -adrenoreceptor stimulant  
AU Murase, Kiyoshi; Mase, Toshiyasu; Ida, Hisashi; Takahashi, Kozo; Murakami, Masuo  
CS Cent. Res. Lab., Yamanouchi Pharm. Co., Ltd., Tokyo, Japan  
SO Chemical & Pharmaceutical Bulletin (1978), 26(4), 1123-9  
CODEN: CPBTAL; ISSN: 0009-2363  
DT Journal  
LA English

L4 ANSWER 591 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1977:551798 CAPLUS  
DN 87:151798  
TI New  $\beta$ -adrenoreceptor stimulants. Studies on 3-acylamino-4-hydroxy- $\alpha$ -(N-substituted aminomethyl)benzyl alcohols  
AU Murase, Kiyoshi; Mase, Toshiyasu; Ida, Hisashi; Takahashi, Kozo; Murakami, Masuo  
CS Cent. Res. Lab., Yamanouchi Pharm. Co., Ltd., Tokyo, Japan  
SO Chemical & Pharmaceutical Bulletin (1977), 25(6), 1368-77  
CODEN: CPBTAL; ISSN: 0009-2363  
DT Journal  
LA English

L4 ANSWER 592 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1976:553860 CAPLUS  
DN 85:153860  
TI Cardiorespiratory activities of 3-formylamino-4-hydroxy- $\alpha$ -(N-1-methyl-2-p-methoxyphenethylaminomethyl)benzyl alcohol hemifumarate (BD 40A) and some other  $\beta$ -adrenoceptor stimulants in conscious guinea pigs  
AU Ida, Hisashi  
CS Cent. Res. Lab., Yamanouchi Pharm. Co., Ltd., Tokyo, Japan  
SO Arzneimittel-Forschung (1976), 26(7), 1337-40  
CODEN: ARZNAD; ISSN: 0004-4172  
DT Journal  
LA English



L4 ANSWER 593 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1976:472071 CAPLUS

DN 85:72071

TI Comparison of the action of BD 40A and some other  $\beta$ -adrenoceptor stimulants on the isolated trachea and atria of the guinea pig

AU Ida, Hisashi

CS Cent. Res. Lab., Yamanouchi Pharm. Co., Ltd., Tokyo, Japan

SO Arzneimittel-Forschung (1976), 26(5), 839-42

CODEN: ARZNAD; ISSN: 0004-4172

DT Journal

LA English

L4 ANSWER 594 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1976:58894 CAPLUS

DN 84:58894

TI  $\alpha$ -(Aralkylaminomethyl)-3-formamido-4-hydroxybenzyl alcohols

IN Murase, Kiyoshi; Murakami, Masuo; Takahashi, Kozo; Mase, Toshiyasu; Ida, Hisashi

PA Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 50111036	A2	19750901	JP 1974-19214	19740218
	JP 57010864	B4	19820301		
PRAI	JP 1974-19214		19740218		
OS	CASREACT 84:58894				

L4 ANSWER 595 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1975:513941 CAPLUS

DN 83:113941

TI 3-Alkanoylamino-4-hydroxy- $\alpha$ -alkyl or aralkylaminomethylbenzyl alcohols

IN Murase, Kiyoshi; Murakami, Masuo; Takahashi, Kozo; Mase, Toshiyasu

PA Yamanouchi Pharmaceutical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 50012040	A2	19750207	JP 1973-61078	19730531
	JP 57015582	B4	19820331		
PRAI	JP 1973-61078		19730531		

L4 ANSWER 596 OF 596 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1973:526063 CAPLUS

DN 79:126063

TI  $\alpha$ -(Aminomethyl)benzyl alcohol derivatives

IN Murakami, Masuo; Takahashi, Kozo; Mase, Toshiyasu; Murase, Kiyoshi; Ida, Hisashi

PA Yamanouchi Pharmaceutical Co., Ltd.

SO Ger. Offen., 62 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 2305092	A1	19730816	DE 1973-2305092	19730202
	DE 2305092	C2	19871001		
	JP 48080528	A2	19731029	JP 1972-13121	19720205
	JP 56053537	B4	19811219		
	JP 49000237	A2	19740105	JP 1972-39416	19720419
	JP 49005934	A2	19740119	JP 1972-51013	19720523
	JP 49007239	A2	19740122	JP 1972-52925	19720527
	GB 1415256	A	19751126	GB 1973-2733	19730118
	DK 135578	B	19770523	DK 1973-558	19730202
	DE 2366625	C2	19880609	DE 1973-2366625	19730202
	FR 2173993	A1	19731012	FR 1973-3981	19730205
	US 3994974	A	19761130	US 1974-468009	19740507
PRAI	JP 1972-13121		19720205		
	JP 1972-39416		19720419		
	JP 1972-51013		19720523		
	JP 1972-52925		19720527		
	US 1973-325596		19730122		
OS	CASREACT 79:126063				